



VIDEO ENTRY SYSTEMS CATALOGUE



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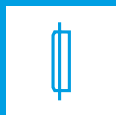
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GENERAL INDEX AND LEGEND OF SYMBOLS



Surface mount
installation



Flush mount
installation



Audio only
version



Video version



3.5" display



4.3" display



5" display



7" display



Audio
speakerphone



Induction
loop version
available by
request



Water and
dust protection
rating rating



Impact
resistance
rating

2	LEGEND OF SYMBOLS
4	ENTRY PANELS PRODUCT GUIDE
5	AUDIO & VIDEO RECEIVERS PRODUCT GUIDE
6	RECEIVERS
6	AGATA
18	PERLA
28	OPALE
32	XTS
40	PORTER SWITCHBOARDS
40	MITHO-SB
44	ENTRY PANELS
44	MTM
46	MTM VR
48	VRW
50	VRM
75	SYSTEM COMPLEMENTS
82	ANALYTICAL INDEX BY CODE
83	ANALYTICAL INDEX BY ARTICLE
84	GENERAL CONDITIONS

ENTRY PANELS PRODUCT GUIDE

		MODULAR		
DESCRIPTION				
		MTM	MTM VR	VRM/VRW
		Modular external unit with anodised aluminium finish	Modular external unit with anti-vandal finish	UK manufactured stainless steel front plated external unit with vandal resistant finish
INSTALLATION	Wall (L x H x D) (mm)	All panels are modular or custom made, so sizes will vary.	All panels are modular or custom made, so sizes will vary.	All panels are modular or custom made, so sizes will vary.
	Wall with rain cover (L x H x D) (mm)			
	Recessed (L x H x D) (mm)			
	Recessed with rain cover (L x H x D) (mm)			
SYSTEM				
FEATURES	Push-button call	✓	✓	✓
	Digital call	✓	✓	✓
	Graphic Display	✓	✓	✓
	Backlighting keys	WHITE & BLUE LEDS	WHITE & BLUE LEDS	WHITE & BLUE LEDS
	Degree of protection (IP)	IP54	IP54	IP54 Equivalent
	Degree of impact resistance (IK)	IK07	IK09	IK09
	Electric lock output (12 V)	✓	✓	✓
	Relay with configurable activation	✓ (excluding Audio Lite)	✓ (excluding Audio Lite)	✓ (excluding Audio Lite)
	Adjusting audio volumes	✓	✓	✓
	Connection, control and timing adjustment of the electric lock	✓	✓	✓
	Access control	✓	✓	✓
	Visual signals for the disabled	✓ (excluding Audio Lite)	✓ (excluding Audio Lite)	✓ (excluding Audio Lite)
	Speech synthesis of messages	✓ (excluding Audio Lite)	✓ (excluding Audio Lite)	✓ (excluding Audio Lite)
	Use without server (Serverless)	✓ (only version IP360)	✓ (only version IP360)	✓ (only version IP360)

AUDIO & VIDEO RECEIVERS PRODUCT GUIDE

	AUDIO RECEIVERS			VIDEO RECEIVERS		DESCRIPTION
	AGATA AUDIO	PERLA AUDIO	AGATA VIDEO	PERLA VIDEO	XTS	
						
	Audio handset	Audio hands-free	Video handset with 3.5" LCD display	Hands-free video receiver with 3.5" LCD display	Hands-free video receiver with 5" or 7" touch screen TFT display	
Wall (L x H x D) (mm)	102 x 190 x 39	110 x 170 x 31	170 x 190 x 39	145 x 170 x 31	185 x 129 x 24 (7") 138 x 98 x 24 (5")	INSTALLATION
Recessed (l x h x d) (mm)	-	-	-	-	185 x 129 x 11 (7") 138 x 98 x 11 (5")	
Table-top (accessory code)	KT A 61800680	KT A 61800680	KT V 62800550	KT V 62800550	XTS 7 KT - 840XC-0120 XTS 5 KT - 840XC-0130	SYSTEM
Max current draw	30 mA	80 mA	135 - 175 mA	200 mA	350 - 520 mA	
						COMMANDS
Door Open	✓	✓	✓	✓	✓	
Automatic lock release button	-	-	-	-	✓	FUNCTIONS
Cyclic selection	-	-	✓	✓	✓	
Auxiliary commands (n.)	✓ 1 (with AGATA P1 per system 200)	✓ 2	✓ 2	✓ 2	✓ ∞	SETTINGS
Ringtone	✓ (excl System 200)	✓	✓ (excl System200)	✓	✓	
Intercom	✓ 6 (Building 200) 10 (Building X1 e XIP)	✓ 2	✓ 5 (Building 200) 8 (Building X1e XIP)	✓ 8	✓ ∞	SETTINGS
Call to the concierge	✓ (with AGATA P1 for system 200)	✓	✓	✓	✓	
Mute in conversation	-	-	-	✓	✓	SETTINGS
Ringtone privacy	✓ (Agata buiding version)	✓	✓	✓	✓	
Audio video secretary	-	-	-	-	✓	SETTINGS
App licenses included	-	-	-	-	4 (XTS 7)	
Ringtone volume adjustment	✓ (Agata buiding version)	✓	✓	✓	✓	SETTINGS
Brightness adjustment	-	-	✓	✓	✓	
Colour adjustment	-	-	✓	✓	-	

The Agata, Perla and XTS video door entry receivers are also available with a device for interfacing with "T" type magnetic induction devices (for hearing aid users). All video entry units are provided with two wire door bell inputs.

COMPATIBLE SYSTEMS



Surface mount
installation
39 mm thick



Audio only version



Video version



3.5" display



Handset



Agata is our range of handset video intercom. Clean design, glossy white finish, 3.5" colour screen and rich functionality. Agata video is available in two versions: Standard and building (from 1 to 8 intercom and "Panic" button to request assistance to the concierge). It is also available in the building version with local power supply. All models are characterised by two blue backlit keys for the activation of the main functions. There are settings available to change the colour, brightness and ringtone volume that are intuitive and easy use. Agata is also available in the entry phone version with the Agata audio models.

FEATURES

Audio handset

Auxiliary/porter call functions

Self-inserting video from entry panels

Adjust/exclude ringtone (with alert LED when excluded)

Intercom calls

"Panic" button for emergency call to the porter

Program ringtones depending on the type of call

Master/Slave function and video relaying

AVAILABLE VERSIONS



Audio only version



Video version

DIMENSIONS (MM)





FEATURES

- Lock release button
- Program ringtones depending on the type of call
- Auxiliary key/porter call

AGATA C
60240050

TECHNICAL SPECIFICATION

MODELS	AGATA C
Dimensions (mm)	102 x 190 x 39
Power supply by BUS (V)	15 ÷ 20 DC
Absorption by BUS (mA)	30
Consumption in stand-by mode (mA)	<0,5
Operating temperature (°C)	+5 ÷ +40
Protection rating (IP)	30
Colour	White

ARTICLE / CODE

DESCRIPTION

AGATA C
60240050

Handset intercom, 1 programmable AUX key - white.

Surface mounted entry phone featuring 2 main keys that enable door opening and 1 programmable auxiliary command. Switch for lowering the ringtone volume. Designed for surface mounting on a 503 (vertical) box and on a Ø 60 mm round box. Compatible with X1 and XIP system.





FEATURES

- Lock release button
- Auxiliary key/porter call
- Ringtone exclusion/adjustment tab
- Up to 10 intercom calls
- "Panic" button for calling the porter
- Program ringtones depending on the type of call
- Call forwarding function

AGATA C/B 60240060

TECHNICAL SPECIFICATION

MODELS	AGATA C/B
Dimensions (mm)	102 x 190 x 39
Power supply by BUS (V)	15 ÷ 20 DC
Absorption by BUS (mA)	30
Consumption in stand-by mode (mA)	<0,5
Operating temperature (°C)	+5 ÷ +40
Protection rating (IP)	30
Colour	White

ARTICLE / CODE DESCRIPTION

AGATA C/B 60240060

Handset intercom, 1 programmable AUX key - white. Building version with 10 intercom calls.

Surface mounted intercom with 2 main keys for door opening and 1 programmable auxiliary control. With on tab for adjusting/excluding the ringtone, with alert LED when excluded. Suitable for multi-user systems as it allows 10 intercom calls and is equipped with the "Panic" button for the emergency call to the porter. Made for surface mount installation on vertical 503 box and on round Ø 60 mm box. Compatible with the X1 and XIP systems.



200

**AGATA C 200UK**
60240070**TECHNICAL SPECIFICATION**

MODELS	AGATA C 200UK
Dimensions (mm)	102 x 190 x 39
Operating temperature (°C)	+5 ÷ +40
Protection rating (IP)	30
Colour	White

ARTICLE / CODE**DESCRIPTION****AGATA C 200UK**
60240070**White handset entry phone.**

Surface mounted entry phone featuring 1 key for door opening and 1 auxilliary button. Designed for surface mount installation on a 503 (vertical) box and on a Ø 60 mm round box. Compatible with 200 system.





200

FEATURES

- Lock release button
- Auxiliary command
- Ringtone exclusion/adjustment tab
- Up to 6 Intercom calls
- Call forwarding function

AGATA C/B 200

60240040

TECHNICAL SPECIFICATION

MODELS	AGATA C/B 200
Dimensions (mm)	102 x 190 x 39
Operating temperature (°C)	+5 ÷ +40
Protection rating (IP)	30
Colour	White

ARTICLE / CODE

DESCRIPTION

AGATA C/B 200
60240040

White handset entry phone, 1 programmable AUX key. Building versions with 6 Intercom calls.

Surface mounted entry phone featuring 2 main keys that enable door opening and 1 auxiliary command. Includes 1 lever that enables the adjustment/exclusion of the ringtone (with LED indicator when excluded). Suitable for multi-user systems since it allows 6 intercom calls. Designed for surface mount installation on a 503 (vertical) box and on a Ø 60 mm round box. Compatible with 200 system.



Accessories

ARTICLE / CODE	DESCRIPTION
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KT A 61800680	Desktop stand for intercom indoor receivers of the Agata Audio and Perla Audio series.
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Plexiglass 10 mm-thick stand, supplied with white RJ45 cable and terminal board cover with PMMA laminate - metallic gray.









FEATURES

- Lock release button
- 3.5" LCD display
- Two keys for activating the auxiliary/porter call
- Self-inserting video of entry panels with cyclic selection
- Key for adjusting/excluding the ringtone (with alert LED when excluded)
- Colour saturation and screen brightness settings
- Up to 8 intercom calls
- "Panic" button for emergency call to the porter
- Program ringtones depending on the type of call
- Video bouncing function among indoor receiver during simultaneous calls
- Master/Slave function

AGATA VC/B 62100380

TECHNICAL SPECIFICATION

MODELS	AGATA VC/B
Dimensions (mm)	170 x 190 x 39
Power supply by BUS (V)	15 ÷ 20 DC
Absorption by BUS (mA)	175
Consumption in stand-by mode (mA)	<1
Operating temperature (°C)	+5 ÷ +40
Protection rating (IP)	30
Video standard	PAL/NTSC
Display	3.5" TFT LCD
Colour	White

ARTICLE / CODE DESCRIPTION

AGATA VC/B 62100380

Handset video intercom, 3.5" LCD display, 2 programmable AUX keys - white. Building version with 8 Intercom calls.

Surface mounted monitor with 3.5" colour LCD display. The adjust/exclude ringtone keys, the colour and brightness saturation setting keys and the 2 auxiliary keys are on the left. The main keys are clearly visible and backlit, for door opening and self-insertion of video from the entry panel. It is equipped with a Master/Slave function and a video relaying between extensions function for simultaneous calls. Suitable for multi-user systems, with up to 8 intercom calls and with the "Panic" button for the emergency calls to the porter. It includes bracket for surface mounting on horizontal or vertical 503 box, 506E box and Ø 60 mm round box. Compatible with the X1 and XIP systems.





FEATURES

- Lock release button
- 3.5" LCD display
- Two keys for activating the auxiliary/porter call functions
- Self-inserting video of entry panels with cyclic selection
- Key for adjusting/excluding the ringtone (with alert LED when excluded)
- Colour saturation and screen brightness settings
- Program ringtones depending on the type of call
- Video bouncing function among indoor receiver during simultaneous calls
- Master/Slave function



AGATA VC
62100370

TECHNICAL SPECIFICATION

MODELS	AGATA VC
Dimensions (mm)	170 x 190 x 39
Power supply by BUS (V)	15 ÷ 20 DC
Absorption by BUS (mA)	175
Consumption in stand-by mode (mA)	<1
Operating temperature (°C)	+5 ÷ +40
Protection rating (IP)	30
Video standard	PAL/NTSC
Display	3.5" TFT LCD
Colour	White

ARTICLE / CODE DESCRIPTION

AGATA VC 62100370

Handset video intercom, 3.5" LCD display, 2 programmable AUX keys - white.

Surface mounted monitor with 3.5" colour LCD display. The adjust/exclude ringtone, colour saturation and brightness adjustment keys and the 2 auxiliary keys are on the left. The main keys are clearly visible and backlit, for door opening and self-insertion of videos from the entry panel. It is equipped with a Master/Slave function and a video relaying between extensions function for simultaneous calls. It includes bracket for surface-mounting on horizontal or vertical 503 box, 506E box and Ø 60 mm round box. Compatible with the X1 and XIP systems.





FEATURES

- Power supply over bus or from local (14 to 18 V DC)
- Lock release button
- 3.5" LCD display
- Two keys for activating the auxiliary/porter call functions
- Self-inserting video of entry panels with cyclic selection
- Key for adjusting/excluding the ringtone (with alert LED when excluded)
- Colour saturation and screen brightness settings
- Up to 8 intercom calls
- "Panic" button for emergency call to the porter
- Program ringtones depending on the type of call
- Video bouncing function among indoor receiver during simultaneous calls
- Master/Slave function
- Call forwarding function

AGATA VC/B-L 62100580

TECHNICAL SPECIFICATION

MODELS	AGATA VC/B-L
Dimensions (mm)	170 x 190 x 39
Power supply by BUS (V)	15 ÷ 20 DC
Absorption by BUS (mA)	170
Local power supply (V)	14 ÷ 18 DC
Local absorption (mA)	135
Consumption in stand-by mode (mA)	<1
Operating temperature (°C)	+5 ÷ +40
Protection rating (IP)	30
Video standard	PAL/NTSC
Display	3.5" TFT LCD
Colour	White

ARTICLE / CODE

DESCRIPTION

AGATA VC/B-L 62100580

**Handset video intercom, 3.5" LCD display, 2 programmable AUX keys - white.
Building version with 8 Intercom calls, set up to work on local power supply.**

Surface mounted monitor with 3.5" colour LCD display. The adjust/exclude ringtone keys, contrast and brightness keys and 2 auxiliary keys are on the left. The main keys are clearly visible and backlit, for door opening and self-insertion of videos from the entry panel. It is equipped with a Master/Slave function and a video relaying between extensions function for simultaneous calls. Suitable for multi-user systems, with up to 8 intercom calls and with "Panic" button for emergency calls to the porter. Fitted with switch for choosing between bus or local power supply (14 to 18 V DC). It includes bracket for surface mounting on horizontal or vertical 503 box, 506E box and Ø 60 mm round box. Compatible with the X1 and XIP systems.



Accessories

ARTICLE / CODE	DESCRIPTION
KT V 62800550	Desktop stand for video entry panels of the Agata Video, Perla Video and Opale series. Plexiglass 10 mm-thick stand, supplied with white RJ45 cable and terminal board cover with PMMA laminate - metallic gray.





COMPATIBLE SYSTEMS



Surface mount
installation
31 mm thick



Audio only version



Video version



3.5" display



Audio speakerphone

Our Perla range offers unique features with a simple, unassuming design available in both audio and video versions. A centrally located backlit dial provides easy to use operational buttons, while a 3.5" LCD display ensures brilliant colours and excellent video quality. Available in 2 colours, black and white Perla video is a perfect solution for building or multi-dwelling unit systems, with up to 8 intercom calls and 'Panic' button for emergency communication to the porter.

FEATURES

Audio speakerphone

Auxiliary/porter call functions

Intercom calls

"Panic" button for emergency call to the porter

Adjust/exclude ringtone (with alert LED when excluded)

Self-inserting video from entry panels

Video answering service and video recording

PoE power supply

AVAILABLE VERSIONS

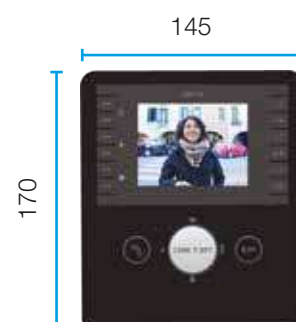


Audio only version



Video version

DIMENSIONS (MM)





FEATURES

- Lock release button
- Audio speakerphone
- Two keys for activating the auxiliary/porter call
- Ringtone volume adjust/exclude keys, with alert LED when excluded
- 2 intercom calls
- Program ringtones depending on the type of call

PEC BI
60540010

TECHNICAL SPECIFICATION

MODELS	PEC BI
Dimensions (mm)	110 x 170 x 31
Power supply by BUS (V)	15 ÷ 20 DC
Absorption by BUS (mA)	80
Consumption in stand-by mode (mA)	<1
Operating temperature (°C)	+5 ÷ +40
Protection rating (IP)	30
Colour	White

ARTICLE / CODE DESCRIPTION

PEC BI
60540010

Speaker intercom, 2 programmable AUX keys - white.

Surface mounted intercom with 2 main keys for opening the door and activating communication, featuring a central dial for controlling 2 auxiliary commands and 2 intercom calls. Equipped with buttons for adjusting/excluding the ringtone. It includes bracket for surface mounting on a vertical 503-type box and on round Ø 60 mm box. Compatible with the X1 and XiP systems.





FEATURES

- Lock release button
- Audio speakerphone
- Two keys for activating the auxiliary/porter call
- Ringtone volume adjust/exclude keys, with alert LED when excluded
- 2 intercom calls
- Program ringtones depending on the type of call

PEC NF 60540020

TECHNICAL SPECIFICATION

MODELS	PEC NF
Dimensions (mm)	110 x 170 x 31
Power supply by BUS (V)	15 ÷ 20 DC
Absorption by BUS (mA)	80
Consumption in stand-by mode (mA)	<1
Operating temperature (°C)	+5 ÷ +40
Protection rating (IP)	30
Colour	Black

ARTICLE / CODE DESCRIPTION

PEC NF 60540020

Speaker intercom, 2 programmable AUX keys - black.

Surface mounted intercom with 2 main keys for opening the door and activating communication, featuring a central dial for controlling 2 auxiliary commands and 2 intercom calls. Equipped with buttons for adjusting/excluding the ringtone. It includes bracket for surface mounting on a vertical 503-type box and on round Ø 60 mm box. Compatible with the X1 and XIP systems.



IP360



FEATURES

- Audio speakerphone
- PoE (Powered over Ethernet) power supply
- 4 programmable keys for activating up to 6 commands and/or functions
- Ringtone volume adjust/exclude keys, with alert LED when excluded
- Automatic lock release button
- Porter call

PEC IP WH
840CC-0010

TECHNICAL SPECIFICATION

MODELS	PEC IP WH
Dimensions (mm)	110 x 170 x 31
PoE power supply	Class 2 (<6.5W) – Not isolated
Operating temperature (°C)	+5 ÷ +40
Protection rating (IP)	30
Colour	White

ARTICLE / CODE

DESCRIPTION

PEC IP WH
840CC-0010

IP speaker intercom, 4 programmable buttons - white.

Surface mounted intercom with 2 main keys for opening the door and activating communication, featuring a central dial for controlling 4 programmable buttons for activating up to 6 controls and/or functions. Equipped with buttons for adjusting/excluding the ringtone. It includes bracket for surface mounting on a vertical 503-type box and on round Ø 60 mm box. Compatible with IP360 system.





FEATURES

- Audio speakerphone
- PoE (Powered over Ethernet) power supply
- 4 programmable keys for activating up to 6 commands and/or functions
- Ringtone volume adjust/exclude keys, with alert LED when excluded
- Automatic lock release button
- Porter call

PEC IP BK 840CC-0020

TECHNICAL SPECIFICATION

MODELS	PEC IP BK
Dimensions (mm)	110 x 170 x 31
PoE power supply	Class 2 (<6.5W) – Not isolated
Operating temperature (°C)	+5 ÷ +40
Protection rating (IP)	30
Colour	Black

ARTICLE / CODE

DESCRIPTION

PEC IP BK 840CC-0020

IP speaker intercom, 4 programmable buttons - black.

Surface mounted intercom with 2 main keys for opening the door and activating communication, featuring a central dial for controlling 4 programmable buttons for activating up to 6 controls and/or functions. Equipped with buttons for adjusting/excluding the ringtone. It includes bracket for surface mounting on a vertical 503-type box and on round Ø 60 mm box. Compatible with IP360 system.



Accessories

ARTICLE / CODE	DESCRIPTION
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KT A 61800680	Desktop stand for intercom indoor receivers of the Agata Audio and Perla Audio series. Plexiglass 10 mm-thick stand, supplied with white RJ45 cable and terminal board cover with PMMA laminate - metallic gray.
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FEATURES

- Lock release button
- Audio speakerphone
- 3.5" LCD display
- Two keys for activating the auxiliary/porter call
- Self-inserting video of entry panels with cyclic selection
- Ringtone volume setting keys
- Exclude ringtone and give LED alert
- Colour saturation and screen brightness settings
- Up to 8 intercom calls
- "Panic" button for emergency call to the porter
- Program ringtones depending on the type of call
- Video bouncing function among indoor receiver during simultaneous calls
- Master/Slave function

PEV BI 62100180

TECHNICAL SPECIFICATION

MODELS	PEV BI
Dimensions (mm)	145 x 170 x 31
Power supply by BUS (V)	15 ÷ 20 DC
Absorption by BUS (mA)	200
Consumption in stand-by mode (mA)	<1
Operating temperature (°C)	+5 ÷ +40
Protection rating (IP)	30
Video standard	PAL/NTSC
Display	3.5" TFT LCD
Colour	White

ARTICLE / CODE DESCRIPTION

PEV BI 62100180

Video intercom with 3.5" LCD display, 2 programmable AUX keys - white.

Surface mounted monitor with 3.5" colour LCD display. The keys for ringtone adjustment, colour saturation adjustment and brightness are on the left, while the keys for making up to 8 intercom calls and the "Panic" button for emergency requests to the porter are on the right. The main keys are clearly visible and backlit, allowing door opening and activation of communication, while the central dial is for managing the 2 auxiliary commands and self-inserting entry panel videos, plus excluding the ringtone (with LED signaling when the latter is excluded). It is equipped with a Master/Slave function and a video relaying between extensions function for simultaneous calls. It comes with a bracket for installing in a horizontal or vertical 503-type box and in a Ø 60 mm round box. Compatible with the X1 and XIP systems.





FEATURES

- Lock release button
- Audio speakerphone
- 3.5" LCD display
- Two keys for activating the auxiliary/porter call
- Self-inserting video of entry panels with cyclic selection
- Ringtone volume setting keys
- Exclude ringtone and give LED alert
- Colour saturation and screen brightness settings
- Up to 8 intercom calls
- "Panic" button for emergency call to the porter
- Program ringtones depending on the type of call
- Video bouncing function among indoor receiver during simultaneous calls
- Master/Slave function



PEV NF
62100190

TECHNICAL SPECIFICATION

MODELS	PEV NF
Dimensions (mm)	145 x 170 x 31
Power supply by BUS (V)	15 ÷ 20 DC
Absorption by BUS (mA)	200
Consumption in stand-by mode (mA)	<1
Operating temperature (°C)	+5 ÷ +40
Protection rating (IP)	30
Video standard	PAL/NTSC
Display	3.5" TFT LCD
Colour	Black

ARTICLE / CODE DESCRIPTION

PEV NF
62100190

Video intercom with 3.5" LCD display, 2 programmable AUX keys - black.

Surface mounted monitor with 3.5" colour LCD display. The keys for ringtone adjustment, colour saturation adjustment and brightness are on the left, while the keys for making up to 8 intercom calls and the "Panic" button for emergency requests to the porter are on the right. The main keys are clearly visible and backlit, allowing door opening and activation of communication, while the central dial is for managing the 2 auxiliary commands and self-inserting entry panel videos, plus excluding the ringtone (with LED signaling when the latter is excluded). It is equipped with a Master/Slave function and a video relaying between extensions function for simultaneous calls. It comes with a bracket for installing in a horizontal or vertical 503-type box and in a Ø 60 mm round box. Compatible with the X1 and XIP systems.



Accessories

ARTICLE / CODE	DESCRIPTION
KT V 62800550	Desktop stand for video entry panels of the Agata Video, Perla Video and Opale series. Plexiglass 10 mm-thick stand, supplied with white RJ45 cable and terminal board cover with PMMA laminate - metallic gray.







COMPATIBLE SYSTEMS



Flush mount
installation
9 mm thick



Surface mount
installation
30.9 mm thick



Video version



3.5" display



4.3" display



Induction loop
version available by
request



Audio speakerphone

Discreet and minimalist, Opale is a range of video intercoms designed to display unassuming quality in any environment. Available in a standard and wide version, with a 4.3" touch screen display, Opale is simple to use with superb video quality. A built-in answer function records messages when calls cannot be received. It's an excellent solution for apartment block settings as it is equipped with 8 intercom calls and 'Panic' button for emergency communication to the porter.

FEATURES

- Full-Duplex/Half-Duplex audio speakerphone
- Intercom calls
- Image zooming during conversation
- Auxiliary/porter call functions
- Call forwarding
- Programmable automatic door-opener function
- Video answering service
- "Panic" button for emergency call to the porter
- Adjust/exclude ringtone (with alert LED when excluded)
- Program ringtones depending on the type of call
- Master/Slave function and video relaying
- Power supply from bus or local source

AVAILABLE VERSIONS

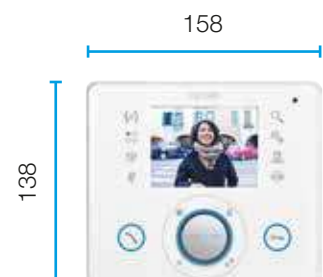
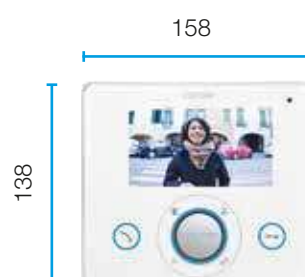


Wide version



Normal version

DIMENSIONS (MM)





FEATURES

- Lock release button
- 3.5" LCD display and soft touch buttons
- Up to 8 intercom calls
- Image zooming during conversation
- Activate/exclude audio during conversation
- Two keys for activating the auxiliary/porter call functions
- Up to 10 auxiliary controls
- Call forwarding function
- Automatic door-opener function with weekly scheduling
- "Panic" button for emergency calls to the porter
- Ringtone settings
- Colour saturation, screen contrast and brightness settings
- Exclude ringtone key (the alert LED lights up when silenced)
- Program ringtones depending on the type of call
- Video bouncing function among indoor receiver during simultaneous calls
- Master/Slave function
- Power supply from bus or local source



OPALE WHITE 62100270

TECHNICAL SPECIFICATION

MODELS	OPALE WHITE
Dimensions (mm)	158 x 138 x 28
Power supply by BUS (V)	15 ÷ 20 DC
Local power supply (V)	16 ÷ 18 DC
Consumption in stand-by mode (mA)	<1
Max. absorption (mA)	250
Operating temperature (°C)	0 ÷ +35
Protection rating (IP)	30
Video standard	PAL/NTSC
Display	3.5" TFT LCD
Colour	White

ARTICLE / CODE DESCRIPTION

OPALE WHITE 62100270

Video intercom with 3.5" LCD display, with up to 10 programmable AUXs - white.

Surface mounted monitor with 3.5" LCD touch-screen display with graphical interface. On the left side there are the intercom function-access buttons, access to additional auxiliary controls, access to video adjustments and deactivating the incoming call audio, while on the right side there are the buttons for zooming, device setup, porter-message displaying and the "Panic" button for emergency calls to the porter. The main keys are clearly visible and backlit, allowing activation of communication and door opening, while the central dial is for managing 2 auxiliary commands, self-insertion of entry panel videos, and alarm exclusion (with LED signaling when excluded). It is equipped with a Master/Slave function and a video relaying between extensions function for simultaneous calls. Bus or local power supply (16 to 18 V DC) via selector switch. For surface mount installation to be finished with the OPALEKP wall bracket. For recess-mounted installation to be finished with the OPALSIS recess-mounted box. Compatible with the X1 and XIP systems.





FEATURES

- Lock release button
- 3.5" LCD display and soft touch buttons
- Up to 8 intercom calls
- Image zooming during conversation
- Activate/exclude audio during conversation
- Two keys for activating the auxiliary/porter call functions
- Up to 10 auxiliary controls
- Call forwarding function
- Automatic door-opener function with weekly scheduling
- "Panic" button for emergency calls to the porter
- Ringtone settings
- Colour saturation, screen contrast and brightness settings
- Exclude ringtone key (the alert LED lights up when silenced)
- Program ringtones depending on the type of call
- Video bouncing function among indoor receiver during simultaneous calls
- Master/Slave function
- Power supply from bus or local source

OPALE BLACK 62100280

TECHNICAL SPECIFICATION

MODELS	OPALE BLACK
Dimensions (mm)	158 x 138 x 28
Power supply by BUS (V)	15 ÷ 20 DC
Local power supply (V)	16 ÷ 18 DC
Consumption in stand-by mode (mA)	<1
Max. absorption (mA)	250
Operating temperature (°C)	0 ÷ +35
Protection rating (IP)	30
Video standard	PAL/NTSC
Display	3.5" TFT LCD
Colour	Black

ARTICLE / CODE DESCRIPTION

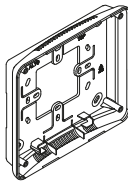
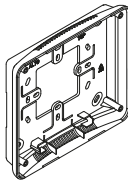
OPALE BLACK 62100280

Video intercom with 3.5" LCD display, with up to 10 programmable AUXs - black.

Surface mounted monitor with 3.5" LCD touch-screen display with graphical interface. On the left side there are the intercom function-access buttons, access to additional auxiliary controls, access to video adjustments and deactivating the incoming call audio, while on the right side there are the buttons for zooming, device setup, porter-message displaying and the "Panic" button for emergency calls to the porter. The main keys are clearly visible and backlit, allowing activation of communication and door opening, while the central dial is for managing 2 auxiliary commands, self-insertion of entry panel videos, and alarm exclusion (with LED signaling when excluded). It is equipped with a Master/Slave function and a video relaying between extensions function for simultaneous calls. Bus or local power supply (16 to 18 V DC) via selector switch. For surface mount installation to be finished with the OPALEKP wall bracket. For recess-mounted installation to be finished with the OPALSIS recess-mounted box. Compatible with the X1 and XIP systems.



Accessories

ARTICLE / CODE	DESCRIPTION	
KT V 62800550	Desktop stand for video entry panels of the Agata Video, Perla Video and Opale series. Plexiglass 10 mm-thick stand, supplied with white RJ45 cable and terminal board cover with PMMA laminate - metallic gray.	
OPALEKP WHITE 62800360	Surface mounting bracket for Opale series entry panels - white. Plastic bracket for surface mounting when using horizontal or vertical 503-type boxes, 506E-type boxes and Ø 60 mm round boxes.	
OPALEKP BLACK 62800370	Surface mounting bracket for Opale series entry panels - black. Plastic bracket for surface mounting when using horizontal or vertical 503-type boxes, 506E-type boxes and Ø 60 mm round boxes.	
OPALESI 62800380	Flush mounting box for Opale-series indoor receivers. Plastic flush mounting box with pre-punched holes for passing the cables, complete with mortar guard.	

VIDEO INTERCOM WITH 5" AND 7" TOUCH SCREEN DISPLAY



COMPATIBLE SYSTEMS



Flush mount
installation
11 mm thick



Surface mount
installation
24 mm thick



Video version



7" display



5" display



Induction loop
version available by
request



Audio speakerphone

Would you like to have a designer product with state of the art technology inside? XTS is the new range of video monitors, available with 7-inch and 5-inch touch screen monitors from CAME BPT. The minimal design and the material quality enhances its elegance, whether you choose the white or black version. High-resolution glass screen with "Optical bonding" technology guarantees perfect viewing in all light conditions. The presence of Wi-Fi, both in the X1 and IP versions, make it the ideal choice for those who want to manage the video door entry system and open the door from their smartphone.

FEATURES

Audio speakerphone

Capacitive touch screen

Display with Optical Bonding anti-glare technology

Auxiliary/porter call functions

Intercom calls

"Panic" button for emergency calls to the porter

Adjust/exclude ringtone (with alert LED when excluded)

Self-inserting video from entry panels

Video answering service and video recording

Local or PoE power supply

AVAILABLE VERSIONS

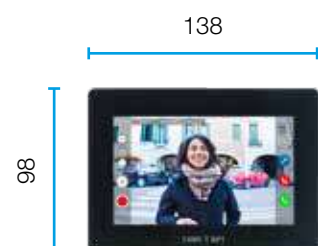
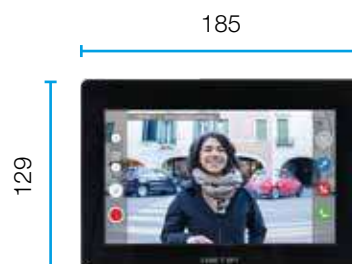


Flush mounted



Surface Mounted

DIMENSIONS (MM)



IP360

FEATURES

- Full-duplex audio speakerphone
- 7" TFT display Full touch-screen with Optical Bonding anti-glare technology for enhanced readability in brightly lit settings
- RJ45 port for directly connecting to the Ethernet
- On-board WiFi for remotely controlling calls
- Local or PoE (Powered over Ethernet) power supply
- Customizable user interface with UI Creator software
- Up to 19 mobile devices for managing the system from any remote location
- Configurable quick controls (default main entrance door-opener)
- List of AUX commands for activating auxiliary functions
- "Panic" function for emergency calls to the porter (if present on the system)
- Exclude ringtone key (the alert LED lights up when silenced)
- Self-inserting video of entry panels with cyclic selection
- Unlimited intercom calls to other receivers and mobile devices
- Contacts list and favorites list
- Video answering service, stores up to 100, 10-second audio and video messages.
- Audio and video recording during conversations
- Sending and receiving text messages from the porter
- Live feeds of the connected IP video cameras
- Automatic opening function during business hours
- Standard SIP protocol, H.264 video codec, G711 audio codec
- On-board web server for configuring and managing via the browser



XTS 7IP WH WIFI 840CH-0060

TECHNICAL SPECIFICATION

MODELS	XTS 7IP WH WIFI
Dimensions (mm)	185 x 129 x 24
Local power supply (V)	14 ÷ 18 DC
PoE power supply	IEEE 802.3af-PD
Consumption in stand-by mode (mA)	340
Max. absorption (mA)	420
Operating temperature (°C)	0 ÷ +40
Protection rating (IP)	30
Video standard	H.264
Frequency (MHz)	2.412 - 2.472
Wireless Standard	IEEE 802.11b/g/n
Colour	White

ARTICLE / CODE DESCRIPTION

XTS 7IP WH WIFI 840CH-0060

Full touch video intercom for IP360 system, 7" TFT touch-screen display, WiFi and Graphical User Interface - white.

Surface mounted monitor with 7" TFT touch-screen display with Optical Bonding technology, integrated WiFi for remote calls on smartphones running the dedicated app. User interface for managing video intercom functions, intercom calls, video-messaging, and text messaging. It uses SIP protocol and G711 audio codec and H.264 video codec. RJ45 port for network, PoE or local connection. On-board web server for configuring and updating firmware. It includes bracket for surface mounting on 503 box (horizontal) and Ø 60 mm round box. Ready for flush mounting with dedicated box. Compatible with IP360 system.





FEATURES

- Full-duplex audio speakerphone
- 7" TFT display Full touch-screen with Optical Bonding anti-glare technology for enhanced readability in brightly lit settings
- RJ45 port for directly connecting to the Ethernet
- On-board WiFi for remotely controlling calls
- Local or PoE (Powered over Ethernet) power supply
- Customizable user interface with UI Creator software
- Up to 19 mobile devices for managing the system from any remote location
- Configurable quick controls (default main entrance door-opener)
- List of AUX commands for activating auxiliary functions
- "Panic" function for emergency calls to the porter (if present on the system)
- Exclude ringtone key (the alert LED lights up when silenced)
- Self-inserting video of entry panels with cyclic selection
- Unlimited intercom calls to other receivers and mobile devices
- Contacts list and favorites list
- Video answering service, stores up to 100, 10-second audio and video messages.
- Audio and video recording during conversations
- Sending and receiving text messages from the porter
- Live feeds of the connected IP video cameras
- Automatic opening function during business hours
- Standard SIP protocol, H.264 video codec, G711 audio codec
- On-board web server for configuring and managing via the browser

XTS 7IP BK WIFI 840CH-0070

TECHNICAL SPECIFICATION

MODELS	XTS 7IP BK WIFI
Dimensions (mm)	185 x 129 x 24
Local power supply (V)	14 ÷ 18 DC
PoE power supply	IEEE 802.3af-PD
Consumption in stand-by mode (mA)	340
Max. absorption (mA)	420
Operating temperature (°C)	0 ÷ +40
Protection rating (IP)	30
Video standard	H.264
Frequency (MHz)	2.412 - 2.472
Wireless Standard	IEEE 802.11b/g/n
Colour	Black

ARTICLE / CODE

DESCRIPTION

XTS 7IP BK WIFI 840CH-0070

Full-touch video intercom for IP360 system, 7" TFT touch screen display, WiFi and Graphical User Interface - black.

Surface mounted monitor with 7" TFT touch-screen display with Optical Bonding technology, integrated WiFi for remote calls on smartphones running the dedicated app. User interface for managing video intercom functions, intercom calls, video-messaging, and text messaging. It uses SIP protocol and G711 audio codec and H.264 video codec. RJ45 port for network, PoE or local connection. On-board web server for configuring and updating firmware. It includes bracket for surface mounting on 503 box (horizontal) and Ø 60 mm round box. Ready for flush mounting with dedicated box. Compatible with IP360 system.



IP360



FEATURES

- Full-duplex audio speakerphone
- 5" TFT display Full touch-screen with Optical Bonding anti-glare technology for enhanced readability in brightly lit settings
- RJ45 port for directly connecting to the Ethernet
- Local or PoE (Powered over Ethernet) power supply
- Customizable user interface with UI Creator software
- Configurable quick controls (default main entrance door-opener)
- List of AUX commands for activating auxiliary functions
- "Panic" function for emergency calls to the porter (if present on the system)
- Audio video settings: ringtone volume, display brightness, interface backgrounds
- Different ringtones for entry panels and landings
- Exclude ringtone key (the alert LED lights up when silenced)
- Self-inserting video of entry panels with cyclic selection
- Unlimited calls to other receivers and smartphones and tablets
- Contacts list and favorites list
- Video answering service, stores up to 100, 10-second audio and video messages.
- Audio and video recording during conversations
- Sending and receiving text messages from the porter
- Live feeds of the connected IP video cameras
- Business function: for automatic door opening during business hours
- Block display function for cleaning
- Standard SIP protocol, H.264 video codec, G711 audio codec
- On-board web server for configuring and managing via the browser

XTS 5IP WH
840CH-0090

TECHNICAL SPECIFICATION

MODELS	XTS 5IP WH
Dimensions (mm)	138 x 98 x 24
Local power supply (V)	14 ÷ 18 DC
PoE power supply	IEEE 802.3af-PD
Consumption in stand-by mode (mA)	270
Max. absorption (mA)	330
Operating temperature (°C)	0 ÷ +40
Protection rating (IP)	30
Video standard	H.264
Colour	White

ARTICLE / CODE DESCRIPTION

XTS 5IP WH 840CH-0090

Full-touch video intercom for IP360 system, 5" TFT touch screen display, with Graphical User Interface - white.

Surface mounted monitor with 5" TFT touch screen display with Optical Bonding technology. User interface for managing video intercom functions, intercom calls, video-messaging, and text messaging. It uses SIP protocol and G711 audio codec and H.264 video codec. RJ45 port for network, PoE or local connection. On-board web server for configuring and updating firmware. It includes bracket for surface mounting on 503 box (horizontal) and Ø 60 mm round box. Ready for flush mounting with dedicated box. Compatible with IP360 system.





FEATURES

- Full-duplex audio speakerphone
- 5" TFT display Full touch-screen with Optical Bonding anti-glare technology for enhanced readability in brightly lit settings
- RJ45 port for directly connecting to the Ethernet
- Local or PoE (Powered over Ethernet) power supply
- Customizable user interface with UI Creator software
- Configurable quick controls (default main entrance door-opener)
- List of AUX commands for activating auxiliary functions
- "Panic" function for emergency calls to the porter (if present on the system)
- Audio video settings: ringtone volume, display brightness, interface backgrounds
- Different ringtones for entry panels and landings
- Exclude ringtone key (the alert LED lights up when silenced)
- Self-inserting video of entry panels with cyclic selection
- Unlimited calls to other receivers and smartphones and tablets
- Contacts list and favorites list
- Video answering service, stores up to 100, 10-second audio and video messages.
- Audio and video recording during conversations
- Sending and receiving text messages from the porter
- Live feeds of the connected IP video cameras
- Business function: for automatic door opening during business hours
- Block display function for cleaning
- Standard SIP protocol, H.264 video codec, G711 audio codec
- On-board web server for configuring and managing via the browser

XTS 5IP BK 840CH-0100

TECHNICAL SPECIFICATION

MODELS	XTS 5IP BK
Dimensions (mm)	138 x 98 x 24
Local power supply (V)	14 ÷ 18 DC
PoE power supply	IEEE 802.3af-PD
Consumption in stand-by mode (mA)	270
Max. absorption (mA)	330
Operating temperature (°C)	0 ÷ +40
Protection rating (IP)	30
Video standard	H.264
Colour	Black

ARTICLE / CODE DESCRIPTION

XTS 5IP BK 840CH-0100

Full-touch video intercom for IP360 system, 5" TFT touch screen display, with Graphical User Interface - black.

Surface mounted monitor with 5" TFT touch screen display with Optical Bonding technology. User interface for managing video intercom functions, intercom calls, video-messaging, and text messaging. It uses SIP protocol and G711 audio codec and H.264 video codec. RJ45 port for network, PoE or local connection. On-board web server for configuring and updating firmware. It includes bracket for surface mounting on 503 box (horizontal) and Ø 60 mm round box. Ready for flush mounting with dedicated box. Compatible with IP360 system.





FEATURES

- Half-duplex audio speakerphone
- 7" TFT display Full touch-screen with Optical Bonding anti-glare technology for enhanced readability in brightly lit settings
- On-board WiFi for remotely controlling calls over smartphones and tablets running the specific App
- Local power supply 14 -18 V DC
- Up to 4 mobile device for managing the system from any remote location
- Configurable quick controls: main entrance door-opener, auxiliary command
- List of AUX commands for activating auxiliary functions
- "Panic" function for emergency calls to the porter (if present on the system)
- Audio video settings: ringtone volume, display brightness, interface backgrounds
- Different ringtones for entry panels and landings
- Exclude ringtone key (the alert LED lights up when silenced)
- Self-inserting video of entry panels with cyclic selection
- Intercom calls to other receivers and smartphones and tablets
- Contacts list and favorites list
- Video answering service, stores up to 100, 10-second audio and video messages.
- Audio and video recording during conversations
- Live feeds of the connected IP video cameras
- Business function: for automatic door opening during business hours
- Block display function for cleaning
- Standard SIP protocol, H.264 video codec, G711 audio codec
- On-board web server for configuring and managing via the browser



XTS 7 WH WIFI 840CH-0030

TECHNICAL SPECIFICATION

MODELS	XTS 7 WH WIFI
Dimensions (mm)	185 x 129 x 24
Local power supply (V)	14 ÷ 18 DC
Local absorption (mA)	520
Consumption in stand-by mode (mA)	360
Operating temperature (°C)	0 ÷ +40
Protection rating (IP)	30
Video standard	PAL/NTSC
Frequency (MHz)	2.412 - 2.472
Wireless Standard	IEEE 802.11b/g/n
Colour	White

ARTICLE / CODE DESCRIPTION

XTS 7 WH WIFI 840CH-0030

Full-touch video intercom for X1 system, 7" TFT touch screen display, WiFi and Graphical User Interface - white.

Surface mounted monitor with 7" TFT touch-screen display with Optical Bonding technology, integrated WiFi for remote calls on smartphones running the dedicated app. User interface for managing video intercom functions, intercom calls, video-messaging. It uses SIP protocol and G711 audio codec and H.264 video codec. Local power supply 14 - 18 V DC. On-board web server for configuring and updating firmware. It includes bracket for surface mounting on 503 box (horizontal) and Ø 60 mm round box. Ready for flush mounting with corresponding box. Compatible with the X1 and XIP systems.





FEATURES

- Half-duplex audio speakerphone
- 7" TFT display Full touch-screen with Optical Bonding anti-glare technology for enhanced readability in brightly lit settings
- On-board WiFi for remotely controlling calls
- Local power supply 14 -18 V DC
- Up to 4 connectable mobile devices per unit
- Configurable quick controls (default main entrance door-opener)
- List of AUX commands for activating auxiliary functions
- "Panic" function for emergency calls to the porter (if present on the system)
- Exclude ringtone key (the alert LED lights up when silenced)
- Self-inserting video of entry panels with cyclic selection
- Unlimited intercom calls to other receivers and mobile devices
- Contacts list and favorites list
- Video answering service, stores up to 100, 10-second audio and video messages.
- Audio and video recording during conversations
- Live feeds of the connected IP video cameras
- Automatic opening function during business hours
- Standard SIP protocol, H.264 video codec, G711 audio codec
- On-board web server for configuring and managing via the browser

XTS 7 BK WIFI 840CH-0040

TECHNICAL SPECIFICATION

MODELS	XTS 7 BK WIFI
Dimensions (mm)	185 x 129 x 24
Local power supply (V)	14 ÷ 18 DC
Local absorption (mA)	520
Consumption in stand-by mode (mA)	360
Operating temperature (°C)	0 ÷ +40
Protection rating (IP)	30
Video standard	PAL/NTSC
Frequency (MHz)	2.412 - 2.472
Wireless Standard	IEEE 802.11b/g/n
Colour	Black

ARTICLE / CODE

DESCRIPTION

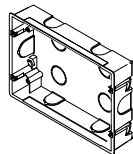
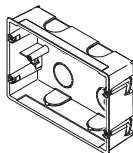
XTS 7 BK WIFI 840CH-0040

Full-touch video intercom for X1 system, 7" TFT touch screen display, WiFi and Graphical User Interface - black.

Surface mounted monitor with 7" TFT touch-screen display with Optical Bonding technology, integrated WiFi for remote calls on smartphones running the dedicated app. User interface for managing video intercom functions, intercom calls, video-messaging. It uses SIP protocol and G711 audio codec and H.264 video codec. Local power supply 14 - 18 V DC. On-board web server for configuring and updating firmware. It includes bracket for surface mounting on 503 box (horizontal) and Ø 60 mm round box. Ready for flush mounting with corresponding box. Compatible with the X1 and XIP systems.



Accessories

ARTICLE / CODE	DESCRIPTION	
XTS 7SI 840XC-0080	Flush mounting box for XTS 7 entry panels. Plastic flush mounting box with pre-punched holes for passing the cables, complete with mortar guard.	
XTS 5SI 840XC-0090	Flush mounting box for XTS 5 entry panels. Plastic flush mounting box with pre-punched holes for passing the cables, complete with mortar guard.	
XTS 7SIC 840XC-0100	Flush mounting box for plasterboard walls for XTS 7 entry panels. Plastic flush mounting box with pre-punched holes for passing cables, ideal for plasterboard walls of up to 22 mm in thickness.	
XTS 5SIC 840XC-0110	Flush mounting box for plasterboard walls for XTS 5 entry panels. Plastic flush mounting box with pre-punched holes for passing cables, ideal for plasterboard walls of up to 22 mm in thickness.	
XTS 7KT 840XC-0120	Desktop stand for XTS 7 entry panels. Plexiglass 10 mm-thick stand, supplied with white 3 m CAT5 cable and terminal board cover with PMMA laminate - metallic gray.	
XTS 5KT 840XC-0130	Desktop stand for XTS 5 entry panels. Plexiglass 10 mm-thick stand, supplied with white 3 m CAT5 cable and terminal board cover with PMMA laminate - metallic gray.	

COMPATIBLE SYSTEMS



Video version



4.3" display



Audio speakerphone



Handset

Handset and handsfree monitor dedicate to the porter function. 4.3" LCD touch screen display with stylus for navigation. It can activate all the porter functions including intercepting and forwarding calls, sending notifications and the management of requests for aid. It enables the activation of recording in the event of absence and picture zoom during conversation.

FEATURES

Handsfree or audio handset

4.3" 16:9 touch screen display

Call interception and forwarding from external unit

Image zooming during conversation

Video answering service

Sending of a call back notification to internal units

List of contacts and calls received

Management of alarm and panic messages from internal units

Program ringtones depending on the type of call

Screen brightness adjustment

Wake-up and timer function for setting the intercept time bands

Local 14-24 V DC or 12-16 V AC power supply

In the video entry phone systems, it is possible to provide one or more porter switchboards. Every porter unit can intercept incoming calls and then transfer them to the user once accepted. Moreover, the porter can display the list of incoming calls and any alarm messages from the internal units. In turn, the internal branches can call the porter through the dedicated button.

To create a porter switchboard, the MITHO SB table video entry phone terminal must be used. This device must necessarily be programmed using the PCS/XiP system configuration software in order to have the list of all users present in the system.



VAS/100MH

XDV/304



FEATURES

- Handsfree or audio handset
- 4.3" 16:9 touch screen display
- Call interception and forwarding from external unit
- Image zooming during conversation
- Video answering service
- Sending of a call back notification to internal units
- List of contacts and calls received
- Management of alarm and panic messages from internal units
- Program ringtones depending on the type of call
- Screen brightness adjustment
- Wake-up and timer function for setting the intercept time bands
- Local 14-24 V DC or 12-16 V AC power supply



MITHO SB NF
62940020

TECHNICAL SPECIFICATION

MODELS	MITHO SB NF
Dimensions (mm)	203 x 108 x 31
Power supply by BUS (V)	14 ÷ 24 DC
Absorption by BUS (mA)	310
Local power supply (V)	12 ÷ 16 AC
Local absorption (mA)	750
Operating temperature (°C)	+5 ÷ +40
Protection rating (IP)	30
Video standard	PAL/NTSC
Display	4.3" touch screen
Colour	Black

ARTICLE / CODE

DESCRIPTION

MITHO SB NF
62940020

Concierge handset and speaker switchboard with 4.3" touch-screen display - black. With desktop stand.

Specific handset monitor and speaker for the porter function. 4.3" touch-screen display and browsing pen. It can activate all the porter functions including intercepting and forwarding calls, sending alerts and handling emergency calls. For activating the answering service when you are away and the image zoom during the conversation. Needs local power supply of 14 to 24 V DC or 12 to 16 V AC. A steel desktop stand is included. Compatible with the X1 and XIP systems.





This software, compatible with all the PCs furnished with the Windows operating system, enables the total supervision of the system, including for large residential complexes. On the main screen, the system devices are displayed with the respective coloured icons that identify their status (free, busy etc.).

The menu is divided into 5 parts:

- Favourites: list of the devices that are called most often.
- System: list that includes all the system's devices.
- Identification plates and cameras: structure with all the identification plates and cameras in the system.
- Search.
- Auxilliary commands

FEATURES

Management of two communication channels

Interception of calls from external unit

Transfer of image from the external unit

Transfer of active call to another user

Turning on lights or various activations

Auto-entry of external units and monitoring of video surveillance system cameras

List of missed calls, panic calls and alarms received

Sending of a call back notification to X1-compatible internal units

Sending of text messages to IP360-compatible internal units

ATTENTION:

To use XIP Porter, an ETI / SER XIP must be present in the system.





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CAME 





COMPATIBLE SYSTEMS



MTM has an extensive range of modular configurations, that are compatible with five different systems, allowing multiple functions to be carried out.

It's clean design has strong aesthetic appeal in all installation scenarios, while maintaining simple functionality.

Particular attention to detail has been paid to the finish, by eliminating the speaker holes, backlighting the keypad to give it a sleek look, and using satin aluminium for durability.



Flush mount installation
Thickness 13 mm



Surface mount installation
Thickness 64 mm



Audio only version



Video version



Water and dust protection rating
IP54

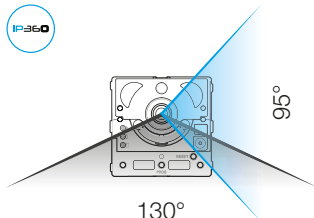


Impact resistance rating
IK07

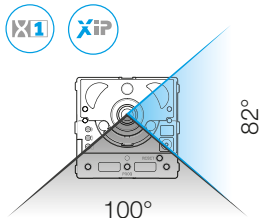


Induction loop version available by request

VISUAL ANGLE

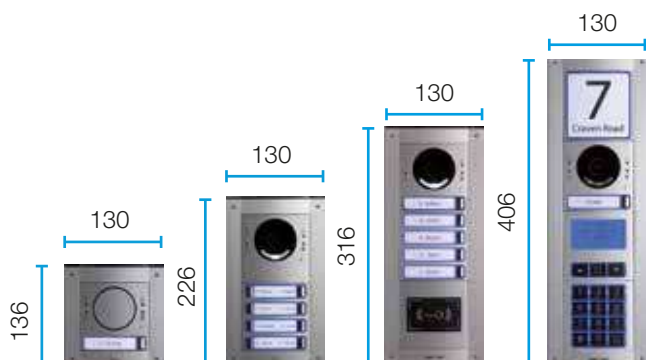


130°



100°

DIMENSIONS (MM)



FEATURES

Anodised and frosted natural aluminum finish

Unique design without typical speaker holes

Direct connection of an analogue camera (audio X1)

High efficiency illuminator with anti-dazzle diffuser

Acoustic and visual signals

HD resolution (IP Camera version only) and HDR technology (High Dynamic Range)

Backlighting of blue or white label holders with intensity adjustment

Front mini USB for firmware updates and programming

Up to 98 call buttons and unlimited digital calls



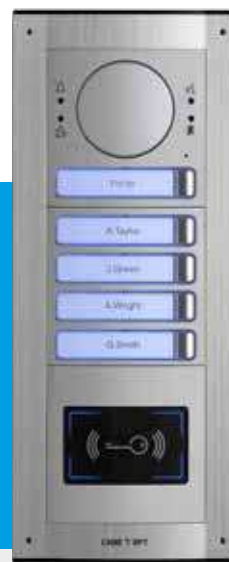
DIGITAL DIALING

The digital display allows a phone book with up to 7200 names to be displayed. During the programming phase you can choose the most appropriate search mode based on the number of users, a scrolling list or an alphabetical block search.



BUTTON COMPOSITION

On the call module, you can customise the amount of buttons required. Using a variety of modular front plates you can achieve maximum button composition flexibility. Available with 2, 3, 4 and 8 button front plates.

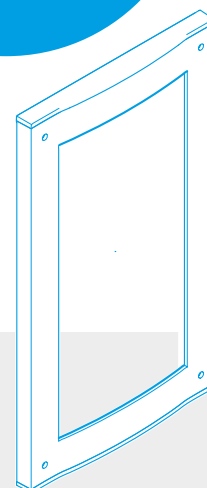
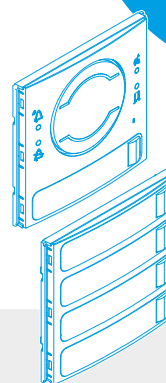
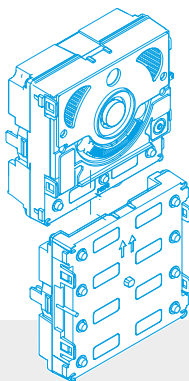
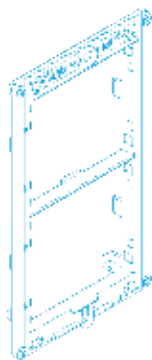
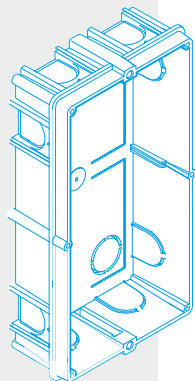


ACCESS CONTROL

The MTM range also includes 2 modules specifically for access control, one that is keypad operated and the other RDIF reader operated. Both modules are fitted with 2 on-board relay switches and 2 inputs for directly activating the relay switches.

RECESS MOUNTING BOX

Available for the various entry panel versions, from 1 to 4 modules, depth 48 mm.



MTM IS QUICK AND EASY TO INSTALL

The external unit consists of five components: the wall or recessed box, the frame, the electronic module, the front and the external frame.

FRAME

Aluminum module-housing profile with cataphoresis treatment and black paint coat to ensure high levels of endurance against corrosion and rust. Compatible with BTicino, Comelit and Urmet flush mounting boxes.

ELECTRONIC MODULES

Snap-in installation with no screw needed. Simple wiring among the modules. No chance of error thanks to the polarized connectors.

FRONT PANELS

Front panels ready for use, as they are pre-configured and need no additional buttons or caps. Outer side made of satin-finish aluminum with sturdy internal structure to make the standard outer panel IK07.

OUTER FRAME

The closing frame is sleek and essential, entirely made of satin-finished aluminum.

RAIN HOOD

A surface mounting box is available if flush mounting is unavailable.

MODULAR ENTRY PANEL WITH VANDAL-PROOF FINISH



COMPATIBLE SYSTEMS



A key feature of MTM VR is the durability and strength of the materials. The modular entry panel does not go unnoticed. It uses the same electronic modules and easy to fit functionality as the standard MTM however, it uses an IK09 rated vandal resistant Zamak composite with crush proof buttons and anti-tamper screws.



Flush mount installation
Thickness 16 mm



Surface mount installation
Thickness 64 mm



Audio only version



Video version



Water and dust protection rating
IP54

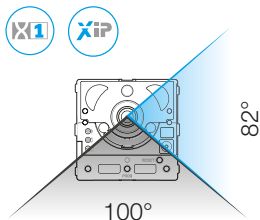
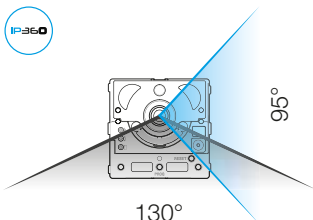


Impact resistance rating
IK09

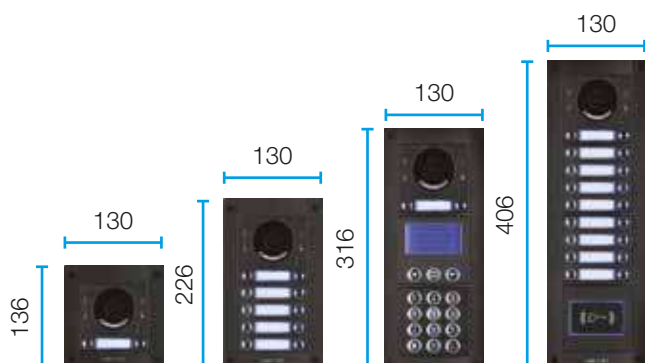


Induction loop version available by request

VISUAL ANGLE



DIMENSIONS (MM)



FEATURES

Zamak finish

Direct connection to an analogue camera (X1 audio)

High efficiency illuminator with anti-glare diffuser

Sound and visual alerts

HD resolution and High Dynamic Range (HDR) technology

Blue or white backlit tag holders with brightness settings

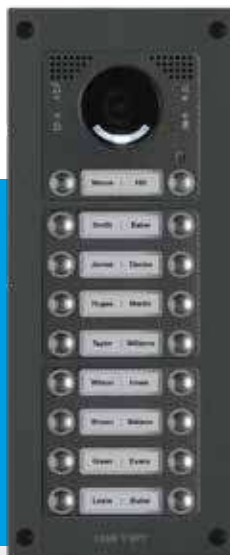
MiniUSB front panel for firmware updating and programming

Up to 98 button calls and unlimited digital calls



DIGITAL DIALING

The digital display allows a phone book with up to 7200 names to be displayed. During the programming phase you can choose the most appropriate search mode based on the number of users, a scrolling list or an alphabetical block search.



BUTTON COMPOSITION

On the call module, you can customise the amount of buttons required. Using a variety of modular front plates you can achieve maximum button composition flexibility. Available with 2, 3, 4 and 8 button front plates.



ACCESS CONTROL

The MTM range also includes 2 modules specifically for access control, one that is keypad operated and the other RDIF reader operated. Both modules are fitted with 2 on-board relay switches and 2 inputs for directly activating the relay switches.

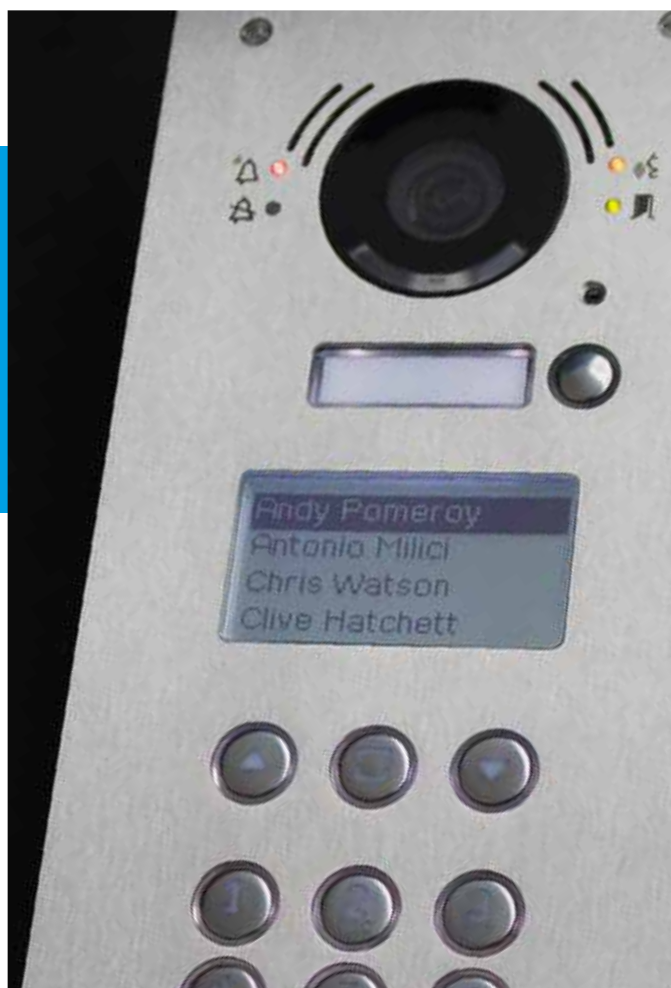


IK09 - IMPACT RESISTANCE FOR GREATER SECURITY AND PEACE OF MIND

All of the functions of the standard MTM version are available in the vandal-resistant version. It uses the same mechanics, modular functionality, and accessories but with a vandal-resistant skin that includes crush proof buttons and custom screws.

Designed in Zamak composite, all VR items will resist up to IK09 impact levels. This means the MTM series is the most complete range of modular entry panels on the market offering you durability, without compromising the features and quality of a standard MTM.

MODULAR EXTERNAL UNIT WITH UK MANUFACTURED VANDAL RESISTANT FACIAS



COMPATIBLE SYSTEMS



A key feature of VRW is the durability and strength of the materials. It uses the same electronic modules and easy to fit functionality as the standard MTM however, it uses an IK09 rated vandal resistant marine grade stainless steel manufactured in the UK.

Additionally, it uses IK09 rated buttons manufactured in Italy.

Vandal resistant entry panels are available in a number of finishes such as Stainless Steel, Highly Polished Steel, Brass and can be custom powder coated in any RAL colour of your choice.



Flush mount installation
Thickness 2 mm



Surface mount installation
Thickness 52 mm



Audio only version



Video version



Water and dust protection rating
IP54



Impact resistance rating
IK09

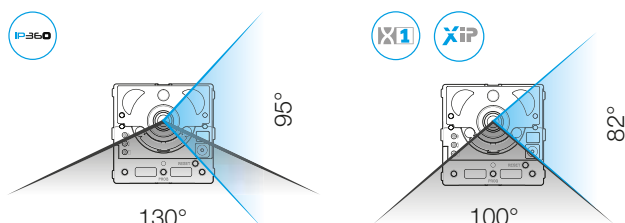


Induction loop version available by request

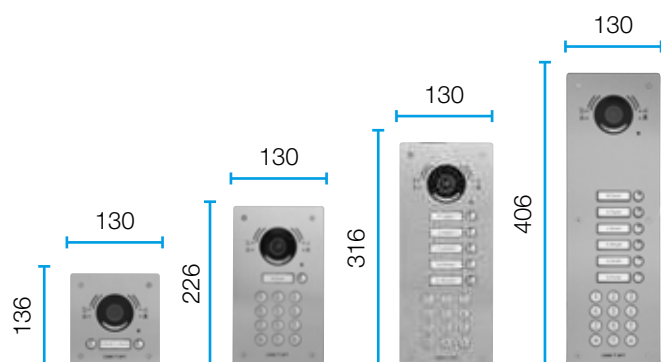


Marine grade 316 stainless steel

VISUAL ANGLE



DIMENSIONS (MM)



FEATURES

(In addition to the benefits of the MTM VR)

Bespoke finishes

Laser engraving

Unmatched video quality

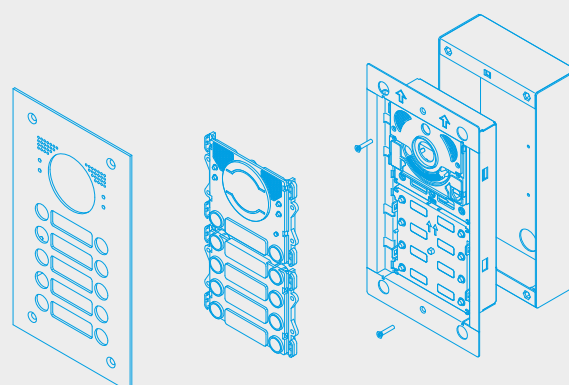
IP65 rated bespoke buttons

Manufactured in the UK

Impact & water resistant

Custom sizes

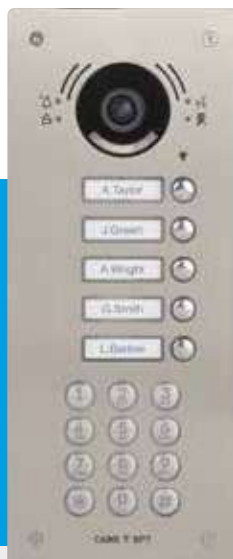
EXPLODED DIAGRAM OF COMPONENTS





DIGITAL DIALING

The digital display allows a phone book with up to 7200 names to be displayed. During the programming phase you can choose the most appropriate search mode based on the number of users: a scrolling list or an alphabetical block search.



BUTTON COMPOSITION

On the call module, you can customise the amount of buttons required. Using a variety of modular front plates you can achieve maximum button composition flexibility. Available with 2, 3, 4, 5 and 8 button front plates.



ACCESS CONTROL

The VRW range can accommodate the MTM VR keypad unit for standalone access control as well as the unique 'Universal reader bracket' able to house most types of common proximity access control reader.



VANDAL RESISTANT

The vandal resistant entry panel is constructed from marine grade 316 brushed stainless steel and manufactured in the UK to the highest standards. The IP65 rated crush proof buttons can be used in either video or audio panel styles with coded keypads, proximity reader cut outs or smash and scratch resistant windows which are constructed from Makralon.

Surface or flush mounted, they are the last word in hard wearing, durable entry panel design. As well as the standard range, custom sizes can also be manufactured to suit any application.

UNIVERSAL READER BRACKET

VRW confirms its versatility with the introduction of our new universal proximity reader bracket system. A simple, innovative component utilising precision engineering to deliver a product with a wealth of options for our customers. Manufactured to exacting standards, our versatile bracket allows you to use almost any proximity reader in the market.

Unique to our vandal resistant range, you can order your entry panels safe in the knowledge that VRW will accommodate it without the need for further components.



VANDAL RESISTANT DOOR ENTRY PANELS PRODUCT GUIDE

Grab a up a copy of our 'Vandal Resistant Door Entry Panels Product Guide' to discover our complete range...

Manufactured in the UK the vandal resistant collection includes our new modular VRM, VRW and fully bespoke entry panels.



MODULAR EXTERNAL UNIT WITH UK MANUFACTURED VANDAL RESISTANT FACIAS



COMPATIBLE SYSTEMS

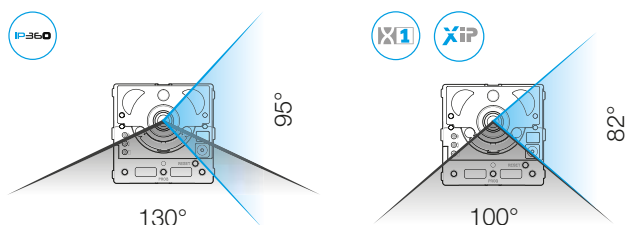


A key feature of VRM is the durability and strength of the materials. It uses the same electronic modules and easy to fit functionality as the standard MTM however, it uses an IK09 rated vandal resistant marine grade stainless steel manufactured in the UK.

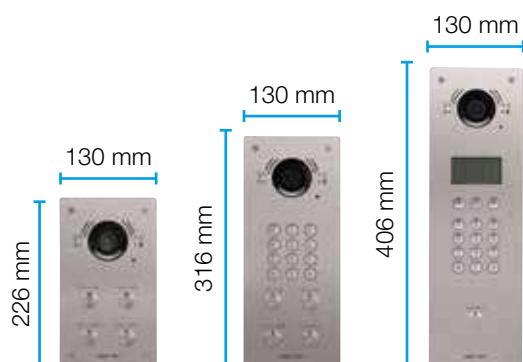
Vandal resistant entry panels are available in a number of finishes such as Stainless Steel, Highly Polished Steel, Brass and can be custom powder coated in any RAL colour of your choice.

- | | |
|--|--|
|  Flush mount installation
Thickness 2 mm |  Surface mount installation
Thickness 52 mm |
|  Audio only version |  Video version |
|  Water and dust protection rating
IP54 |  Impact resistance rating
IK09 |
|  Induction loop version available by request |  Marine grade 316 stainless steel |

VISUAL ANGLE



DIMENSIONS (MM)



FEATURES (In addition to the benefits of the MTM VR)

Bespoke finishes

Laser engraving

Unmatched video quality

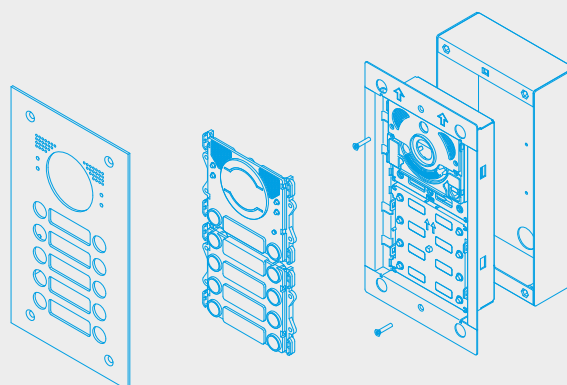
IP65 rated bespoke buttons

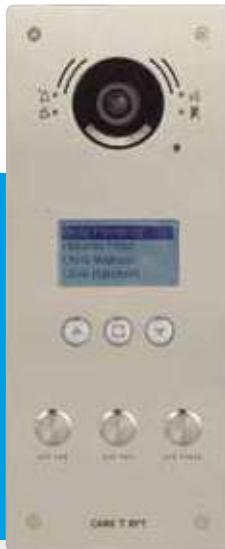
Manufactured in the UK

Impact & water resistant

Custom sizes

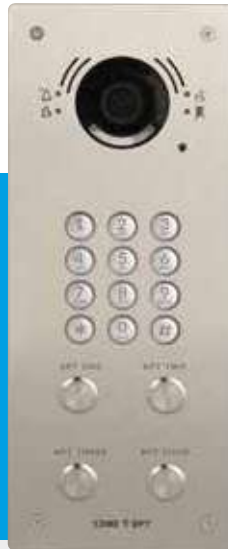
EXPLODED DIAGRAM OF COMPONENTS





DIGITAL DIALING

The digital display allows a phone book with up to 7200 names to be displayed. During the programming phase you can choose the most appropriate search mode based on the number of users: a scrolling list or an alphabetical block search.



PUSH BUTTON COMPOSITIONS

On the call module, you can customise the amount of buttons required. Using UK manufactured push buttons, you can achieve maximum button composition flexibility.



ACCESS CONTROL

The VRW range can accommodate the MTM VR keypad unit for standalone access control as well as the unique 'Universal reader bracket' able to house most types of common proximity access control reader.



VANDAL RESISTANT

The vandal resistant entry panel is constructed from marine grade 316 brushed stainless steel and manufactured in the UK to the highest standards. The IP65 rated crush proof buttons can be used in either video or audio panel styles with coded keypads, proximity reader cut outs or smash and scratch resistant windows which are constructed from Makralon.

Surface or flush mounted, they are the last word in hard wearing, durable entry panel design. As well as the standard range, custom sizes can also be manufactured to suit any application.

UNIVERSAL READER BRACKET

VRW confirms its versatility with the introduction of our new universal proximity reader bracket system. A simple, innovative component utilising precision engineering to deliver a product with a wealth of options for our customers. Manufactured to exacting standards, our versatile bracket allows you to use almost any proximity reader in the market.

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VANDAL RESISTANT DOOR ENTRY PANELS PRODUCT GUIDE

Grab a up a copy of our 'Vandal Resistant Door Entry Panels Product Guide' to discover our complete range...

Manufactured in the UK the vandal resistant collection includes our new modular VRM, VRW and fully bespoke entry panels.



MTM - MTM VR

Components for modular external units for X1 systems

CAME  BPT



FEATURES

- 2 call buttons
- 2 on-board controls: electric lock and auxiliary control (1A, 30V max)
- Video input for outdoor analog camera
- LED pictograms for status alerts: door opening, active communication, call in progress and system busy
- Adjustable speaker, microphone and electric lock
- Dual blue or white backlit name tags with brightness settings
- Water and dust protection rating IP54
- MiniUSB front panel for firmware updating and programming.

MTMA/01 60020010

TECHNICAL SPECIFICATION

MODELS	MTMA/01
Dimensions (mm)	85 x 85 x 35
Packaging dimensions (mm)	156 x 57 x 110
Power supply (V)	16 ÷ 18 DC
Consumption in stand-by mode (mA)	70
Max. absorption (mA)	220
Operating temperature (°C)	-25 ÷ +55
Protection rating (IP)	54

ARTICLE / CODE DESCRIPTION

MTMA/01 60020010

Intercom module for X1 systems.

Electronic module with techno-polymer body and 2 call buttons with double, blue or white, namecard backlighting. Featuring a local control for electric lock, auxiliary contact (1A, 30V max), inputs for door lock release button and for door status indication (programmable I/O), output for activation of outdoor cameras (programmable I/O). With input for outdoor analog video camera. The front is equipped with LEDs for visual indication of the system status. It allows to adjust the audio volume of the microphone and speaker and the activation time of the electric lock. Manual or PC programming via MINI USB connector on the front. To finish off with intercom front panel. When combined with the corresponding front panel, it guarantees IP54 water and dust protection rating.





FEATURES

- 2 call buttons
- Blue backlit name tags
- Expandable only with the MTM8C/200 call module
- Water and dust protection rating IP54



MTMA/200
60020210

TECHNICAL SPECIFICATION

MODELS	MTMA/200
Dimensions (mm)	85 x 85 x 35
Packaging dimensions (mm)	156 x 57 x 110
Power supply (V)	12 DC
Consumption in stand-by mode (mA)	4
Max. absorption (mA)	60
Operating temperature (°C)	-25 ÷ +55
Protection rating (IP)	54

ARTICLE / CODE	DESCRIPTION
MTMA/200 60020210	Intercom modules for 200 systems. Electronic module with techno-polymer body and 2 call buttons with blue name tag backlighting. It allows to adjust the audio volume of the microphone and speaker. Expandable only with the MTM8C/200 call module for 200 systems. To finish off with lite intercom front panel. When combined with the corresponding front panel, it guarantees IP54 water and dust protection rating.



MTM - MTM VR

Components for modular external units for IP360 systems

CAME  BPT



FEATURES

- 2 call buttons
- 2 on-board controls: electric lock and auxiliary control (1A, 30V max)
- Logic connection of a remote IP CCTV camera possible
- LED pictograms for status alerts: door opening, active communication, call in progress and system busy
- Adjustable speaker, microphone and electric lock from PC
- Dual blue or white backlit name tags with brightness settings
- Water and dust protection rating IP54
- Web interface for device configuration
- SIP protocol
- H.264 video codec, G711 audio codec
- Local or PoE (Powered over Ethernet) power supply
- Expandable to 98 button calls plus unlimited digital calls with MTMKB module

MTMA/IP 60020040

TECHNICAL SPECIFICATION

MODELS	MTMA/IP
Dimensions (mm)	85 x 85 x 35
Packaging dimensions (mm)	156 x 57 x 110
Power supply (V)	12 ÷ 24 DC
PoE power supply	IEEE 802,3af (W)
Consumption in stand-by mode (mA)	70
Max. absorption (mA)	250
Operating temperature (°C)	-25 ÷ +55
Protection rating (IP)	54

ARTICLE / CODE DESCRIPTION

MTMA/IP 60020040

Intercom modules for IP360 systems.

Electronic module with techno-polymer body and 2 call buttons with double, blue or white, namecard backlighting. Featuring a local control for electric lock, auxiliary contact (1A, 30V max), inputs for door lock release button and for door status indication (programmable I/O), output for activation of outdoor cameras (programmable I/O). RJ45 port for network, PoE or local connection. The front is equipped with LEDs for visual indication of the system status. On-board web server for configuring and updating firmware. Can be manually programmed. To be completed with a video intercom front panel. When combined with the corresponding front panel, it guarantees IP54 water and dust protection rating.





FEATURES

- 2 call buttons
- 2 on-board controls: electric lock and auxiliary control (1A, 30V max)
- LED pictograms for status alerts: door opening, active communication, call in progress and system busy
- Adjustable speaker, microphone and electric lock
- Dual blue or white backlit name tags with brightness settings
- Water and dust protection rating IP54
- MiniUSB front panel for firmware updating and programming.



MTMA/08
60020420

TECHNICAL SPECIFICATION

MODELS	MTMA/08
Dimensions (mm)	85 x 85 x 35
Packaging dimensions (mm)	156 x 57 x 110
Power supply (V)	14 ÷ 18 DC
Consumption in stand-by mode (mA)	30
Max. absorption (mA)	70
Operating temperature (°C)	-25 ÷ +55
Protection rating (IP)	54

ARTICLE / CODE	DESCRIPTION
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MTMA/08
60020420

Intercom modules for XIP systems.

Electronic module with techno-polymer body and 2 call buttons with double, blue or white, namecard backlighting. Featuring a local control for electric lock, auxiliary contact (1A, 30V max), inputs for door lock release button and for door status indication (programmable I/O), output for activation of outdoor cameras (programmable I/O). Dip-switch for adapting the line impedance. The front is equipped with LEDs for visual indication of the system status. It allows to adjust the audio volume of the microphone and speaker and the activation time of the electric lock. Manual or PC programming via MINI USB connector on the front. To be completed with a video intercom front panel. When combined with the corresponding front panel, it guarantees IP54 water and dust protection rating.



MTM - MTM VR

Components for modular external units for GSM systems

CAME  BPT



FEATURES

- Manages up to 1000 telephone numbers
- 2 call buttons
- 2 on-board controls: electric lock and auxiliary control (1A, 30V max)
- LED pictograms for status alerts: door opening, active communication, call in progress and system busy
- Adjustable speaker, microphone and electric lock
- Dual blue or white backlit name tags with brightness settings
- Water and dust protection rating IP54
- Programmable via SMS or PC software
- MiniUSB front panel for firmware updating and programming.

MTMA/GSM 60020410

TECHNICAL SPECIFICATION

MODELS	MTMA/GSM
Dimensions (mm)	85 x 85 x 35
Packaging dimensions (mm)	156 x 57 x 110
Power supply (V)	14 ÷ 24 AC - DC
Consumption in stand-by mode (mA)	50
Max. absorption (mA)	120
Operating temperature (°C)	-25 ÷ +55
Protection rating (IP)	54
Resolution (pixels)	1280 x 720
900 MHz GSM EGSM signal strength	33 dBm
1800 MHz GSM DCS signal strength	30 dBm

ARTICLE / CODE DESCRIPTION

MTMA/GSM 60020410

Intercom modules for GSM systems.

Electronic module with techno-polymer body and 2 call buttons with double, blue or white, namecard backlighting. Slot for on-board micro SIM (micro SIM not included). It can manage up to 1000 telephone numbers and remotely opens the gateway via a telephone ring. Featuring a local electric lock control, auxiliary contact (1A, 30V max), 2 inputs for call 1 and 2 (programmable I/O). The front is equipped with LEDs for visual indication of the system status. It allows to adjust the audio volume of the microphone and speaker and the activation time of the electric lock. Manual programming via SMS or from PC through the MINI USB connector on the front. Supplied with antenna and 2 m cable for antenna remote control. To finish off with intercom front panel. When combined with the corresponding front panel, it guarantees IP54 water and dust protection rating.





FEATURES

- 2 call buttons
- 2 on-board controls: electric lock and auxiliary control (1A, 30V max)
- "Wide-eye" lens, aperture 100° horizontally and 82° vertically
- High efficiency illuminator (adjustable brightness) with anti-glare diffuser
- LED pictograms for status alerts: door opening, active communication, call in progress and system busy
- Adjustable speaker, microphone and electric lock
- Dual blue or white backlit name tags with brightness settings
- Water and dust protection rating IP54
- MiniUSB front panel for firmware updating and programming.



MTMV/01
62030010

TECHNICAL SPECIFICATION

MODELS	MTMV/01
Dimensions (mm)	85 x 85 x 35
Packaging dimensions (mm)	156 x 57 x 110
Power supply (V)	16 ÷ 18 DC
Consumption in stand-by mode (mA)	70
Max. absorption (mA)	220
Operating temperature (°C)	-25 ÷ +55
Protection rating (IP)	54
Video standard	PAL/NTSC
Video resolution (pixels)	680 x 512

ARTICLE / CODE DESCRIPTION

MTMV/01
62030010

Intercom video modules for X1 systems.

Electronic module with techno-polymer body and 2 call buttons with double, blue or white, namecard backlighting. PAL/NTSC video camera sensor with 680 x 512 pixel resolution and built-in microprocessor for digital signal processing. Wide-eye lens with 100° horizontal and 82° vertical opening and digital zoom adjustment. Even illumination of the subject with 2 high-efficiency white LEDs and anti-glare diffuser. Featuring a local control for electric lock, auxiliary contact (1A, 30V max), inputs for door lock release button and for door status indication (programmable I/O), output for activation of outdoor cameras (programmable I/O). The front is equipped with LEDs for visual indication of the system status. It allows to adjust the audio volume of the microphone and speaker and the activation time of the electric lock. Manual or PC programming via MINI USB connector on the front. To be completed with a video intercom front panel. When combined with the corresponding front panel, it guarantees IP54 water and dust protection rating.



MTM - MTM VR

Components for modular external units for IP360 systems

CAME  BPT



FEATURES

- 2 call buttons
- 2 on-board controls: electric lock and auxiliary control (1A, 30V max)
- "Ultra wide-eye" lens, aperture 130° horizontally and 95° vertically
- HD resolution and High Dynamic Range (HDR) technology for better light/dark performance
- High efficiency illuminator (adjustable brightness) with anti-glare diffuser
- LED pictograms for status alerts: door opening, active communication, call in progress and system busy
- Adjustable speaker, microphone and electric lock from PC
- Dual blue or white backlit name tags with brightness settings
- Water and dust protection rating IP54
- Web interface for device configuration
- SIP protocol
- H.264 video codec, G711 audio codec
- Local or PoE (Powered over Ethernet) power supply
- Expandable to 98 button calls plus unlimited digital calls with MTMKB module

MTMV/IP 62030020

TECHNICAL SPECIFICATION

MODELS	MTMV/IP
Dimensions (mm)	85 x 85 x 35
Packaging dimensions (mm)	156 x 57 x 110
Power supply (V)	12 ÷ 24 DC
PoE power supply	IEEE 802.3af (W)
Consumption in stand-by mode (mA)	70
Max. absorption (mA)	250
Operating temperature (°C)	-25 ÷ +55
Protection rating (IP)	54
Video standard	H.264
Video resolution (pixels)	1280 x 720

ARTICLE / CODE DESCRIPTION

MTMV/IP 62030020

Intercom video modules for IP360 systems.

Electronic module with techno-polymer body and 2 call buttons with double, blue or white, namecard backlighting. Video camera sensor with HD 1280 x 720 resolution and HDR technology, plus built-in microprocessor for digital signal processing. Ultra wide-eye grand angle lens with 130° horizontal and 95° vertical opening and digital zoom adjustment. Even illumination of the subject with 2 high-efficiency white LEDs and anti-glare diffuser. Featuring a local control for electric lock, auxiliary contact (1A, 30V max), inputs for door lock release button and for door status indication (programmable I/O), output for activation of outdoor cameras (programmable I/O). RJ45 port for network, PoE or local connection. The front is equipped with LEDs for visual indication of the system status. On-board web server for configuring and updating firmware. Can be manually programmed. To be completed with a video intercom front panel. When combined with the corresponding front panel, it guarantees IP54 water and dust protection rating.





FEATURES

- 2 call buttons
- 2 on-board controls: electric lock and auxiliary control (1A, 30V max)
- "Wide-eye" lens, aperture 100° horizontally and 82° vertically
- High efficiency illuminator (adjustable brightness) with anti-glare diffuser
- LED pictograms for status alerts: door opening, active communication, call in progress and system busy
- Adjustable speaker, microphone and electric lock
- Dual blue or white backlit name tags with brightness settings
- Water and dust protection rating IP54
- MiniUSB front panel for firmware updating and programming.



MTMV/08
62030060

TECHNICAL SPECIFICATION

MODELS	MTMV/08
Dimensions (mm)	85 x 85 x 35
Packaging dimensions (mm)	156 x 57 x 110
Power supply (V)	14 ÷ 18 DC
Consumption in stand-by mode (mA)	30
Max. absorption (mA)	120
Operating temperature (°C)	-25 ÷ +55
Protection rating (IP)	54
Video standard	PAL/NTSC
Video resolution (pixels)	680 x 512

ARTICLE / CODE DESCRIPTION

MTMV/08 62030060	Intercom video modules for XIP systems. Electronic module with techno-polymer body and 2 call buttons with double, blue or white, namecard backlighting. PAL/NTSC 680 x 512 resolution video camera sensor with built-in microprocessor for digital signal processing. Wide-eye lens with 100° horizontal and 82° vertical opening and digital zoom adjustment. Even illumination of the subject with 2 high-efficiency white LEDs and anti-glare diffuser. Featuring a local control for electric lock, auxiliary contact (1A, 30V max), inputs for door lock release button and for door status indication (programmable I/O), output for activation of outdoor cameras (programmable I/O). Dip-switch for adapting the line impedance. The front is equipped with LEDs for visual indication of the system status. It allows to adjust the audio volume of the microphone and speaker and the activation time of the electric lock. Manual or PC programming via MINI USB connector on the front. To be completed with a video intercom front panel. When combined with the corresponding front panel, it guarantees IP54 water and dust protection rating.	
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MTM - MTM VR

Components for modular external units
for X1, XIP, IP360 and GSM systems

CAME  BPT



FEATURES

- 12-key alphanumeric keypad
- Dual blue or white backlight with brightness settings
- For digital calls and access control code entering
- Compatible with X1, XIP, IP360 and GSM systems

MTMKB 60020230

TECHNICAL SPECIFICATION

MODELS	MTMKB
Dimensions (mm)	85 x 85 x 35
Packaging dimensions (mm)	156 x 57 x 110
Power supply (V)	10.7-18 DC
Consumption in stand-by mode (mA)	20
Max. absorption (mA)	55
Operating temperature (°C)	-25 ÷ +55
Protection rating (IP)	54

ARTICLE / CODE DESCRIPTION

MTMKB 60020230

Digital call keypad module

Electronic module with techno-polymer body, with alphanumeric keypad with 12 buttons and double blue or white backlighting. Adjustable colour and brightness of the LEDs using the main modules. Key 0 to 9 for entering the code and 2 other keys for the main functions: activate call and confirm access code. To finish off with digital call module front panel. When combined with the corresponding front panel, it guarantees IP54 water and dust protection rating.





FEATURES

- Viewing of a 7200 name contacts list
- Search in scroll mode or alphabetic block mode
- Dual blue or white backlight with brightness settings
- Compatible with X1, XIP, IP360 and GSM systems

**MTMDY**
60020240

TECHNICAL SPECIFICATION

MODELS	MTMDY
Dimensions (mm)	85 x 85 x 35
Packaging dimensions (mm)	156 x 57 x 110
Power supply (V)	10.7-18 DC
Consumption in stand-by mode (mA)	55
Max. absorption (mA)	250
Operating temperature (°C)	-25 ÷ +55
Protection rating (IP)	54

ARTICLE / CODE

DESCRIPTION

MTMDY
60020240**Display module.**

Electronic module with techno-polymer body and blue or white backlit LCD display. Colour and brightness adjustment from the menu or via the main modules. It allows you to display a phonebook with up to 7200 names and search in scroll mode or alphabetic block mode. It allows direct calling to the extensions through the central button. To finish off with display front module. When combined with the corresponding front panel, it guarantees IP54 water and dust protection rating.



MTM - MTM VR

Components for modular external units for X1, XIP and IP360 systems

CAME  BPT



FEATURES

- Mifare 13.56 MHz technology
- Dual blue or white backlight with brightness settings
- Up to 6500 proximity cards in stand alone mode
- CAN BUS connector for connection to XIP or IP360 system
- 2 on-board relay for opening main entrances
- Manual or PC tool programming

MTMRFID 60020250

TECHNICAL SPECIFICATION

MODELS	MTMRFID
Dimensions (mm)	85 x 85 x 35
Internal dimensions (mm)	-
Packaging dimensions (mm)	156 x 57 x 110
Power supply (V)	12 ÷ 24 DC
Consumption in stand-by mode (mA)	35
Max. absorption (mA)	90
Operating temperature (°C)	-25 ÷ +55
Protection rating (IP)	54

ARTICLE / CODE DESCRIPTION

MTMRFID 60020250

RFID access control module.

Electronic module with techno-polymer body equipped with RFID reader and 13.56 MHz Mifare technology, with blue or white backlighting. Adjustable colour and brightness of the LEDs using the main modules. It allows the addition and removal of badges/tags directly from the reader itself or through a PC tool. It autonomously manages up to 6500 proximity cards. Access allowed/not allowed via buzzer and green/red signal LED. It can be installed either in stand alone mode or with the XIP or IP360 system via CAN bus. It is equipped with 2 relay contacts for door-openings and 2 inputs for directly activating the relays. To finish off with the RFID module front panel. When combined with the corresponding front panel, it guarantees IP54 water and dust protection rating.





FEATURES

- 12-key alphanumerical keypad
- Dual blue or white backlight with brightness settings
- Up to 3500 numeric access control codes in stand alone mode
- CAN BUS connector for connection to XIP or IP360 system
- 2 on-board relay for opening main entrances
- Manual or PC tool programming

MTMNA
60020380

TECHNICAL SPECIFICATION

MODELS	MTMNA
Dimensions (mm)	85 x 85 x 35
Packaging dimensions (mm)	156 x 57 x 110
Power supply (V)	12 - 24 AC - DC
Consumption in stand-by mode (mA)	35
Max. absorption (mA)	90
Operating temperature (°C)	-25 ÷ +55
Protection rating (IP)	54

ARTICLE / CODE	DESCRIPTION
MTMNA 60020380	Keypad module with access control. Electronic module with techno-polymer body, with alphanumeric keypad with 12 buttons and double blue or white backlighting. Adjustable colour and brightness of the LEDs using the main modules. Key 0 to 9 for entering the code and 2 other keys for confirming. It autonomously manages up to 3500 numeric codes. Access allowed/not allowed via buzzer and green/red signal LED. It can be installed either in stand alone mode or with the XIP or IP360 system via CAN bus. It is equipped with 2 relay contacts for door-openings and 2 inputs for directly activating the relays. To finish off with the access control keypad module front panel. When combined with the corresponding front panel, it guarantees IP54 water and dust protection rating.



MTM - MTM VR

Components for modular external units
for X1, XiP, IP360 and GSM systems

CAME  BPT



FEATURES

- Up to 8 call per single module
- Dual blue or white backlight with brightness settings
- Also programmable manually to handle 8, 4, 3 or 2 calls

MTM8C
60020030

MODELS	MTM8C
Dimensions (mm)	85 x 85 x 35
Packaging dimensions (mm)	156 x 57 x 110
Power supply (V)	10.7 - 18 DC
Max. absorption (mA)	25
Operating temperature (°C)	-25 ÷ +55
Protection rating (IP)	54

ARTICLE / CODE	DESCRIPTION
MTM8C 60020030	8-call module. Electronic module with techno-polymer body, 8 call buttons and 16 LEDs for the double blue or white backlit name tags. Adjustable colour and brightness of the LEDs using the main modules. To finish off with button front-plate. When combined with the corresponding front panel, it guarantees IP54 water and dust protection rating.



Components for modular external
units for 200 systems



FEATURES

- Up to 8 call per single module
- Blue backlit name tags

MTM8C/200
60020220

MODELS	MTM8C/200
Dimensions (mm)	85 x 85 x 35
Packaging dimensions (mm)	156 x 57 x 110
Power supply (V)	14 - 18 AC
Consumption in stand-by mode (mA)	15
Max. absorption (mA)	15
Operating temperature (°C)	-25 ÷ +55
Protection rating (IP)	54

ARTICLE / CODE	DESCRIPTION
MTM8C/200 60020220	8-call module for 200 systems. Electronic module with techno-polymer body, 8 call buttons and 8 LEDs for the double blue or white backlit name tags. Compatible only with the MTM8C/200 call module for 200 systems. To finish off with button front-plate. When combined with the corresponding front panel, it guarantees IP54 water and dust protection rating.



**FEATURES**

- Play back multi-language voice messages
- On-board teleloop for hearing aid patients
- Easy manual and/or PC-based programming


MTMBFVS
60020390

MODELS	MTMBFVS
Dimensions (mm)	85 x 85 x 35
Packaging dimensions (mm)	156 x 57 x 110
Power supply (V)	10.7-18 DC
Consumption in stand-by mode (mA)	20
Max. absorption (mA)	55
Operating temperature (°C)	-25 ÷ +55
Protection rating (IP)	54

ARTICLE / CODE	DESCRIPTION
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MTMBFVS
60020390
Hearing impaired and voice synthesis module

Electronic module with techno-polymer body, equipped with a loudspeaker used for the playing back system voice messages. It has an audio-frequency induction system for hearing aids, in the "T" position. To finish off with the hearing impaired module. When combined with the corresponding front panel, it guarantees IP54 water and dust protection rating.

**FEATURES**

- Dual blue or white backlight with brightness settings


MTMMI
60020290

MODELS	MTMMI
Dimensions (mm)	85 x 85 x 35
Packaging dimensions (mm)	156 x 57 x 110
Power supply (V)	10.7-18 DC
Max. absorption (mA)	25
Operating temperature (°C)	-25 ÷ +55

ARTICLE / CODE	DESCRIPTION
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MTMMI
60020290
Information module.

Electronic module with techno-polymer body equipped with LED for the double blue or white backlighting of the information tag. It allows to adjust colour and brightness by using the main modules. To finish off with information module front-plate. When combined with the corresponding front panel, it guarantees IP54 water and dust protection rating.





MTMMC 60020310

MODELS	MTMMC
Dimensions (mm)	85 x 85 x 35 95 x 90 x 10
Internal dimensions (mm)	85 X 85 X 32
Packaging dimensions (mm)	156 x 57 x 110
Protection rating (IP)	54
Colour	Natural anodised satin-finish aluminium

ARTICLE / CODE	DESCRIPTION
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MTMMC
60020310

Hidden module with front panel.

Module with techno-polymer body and blind front panel made of natural anodized satin aluminum. Impact protection degree IK07 and water and dust protection rating degree IP54.



Audio front panels

ARTICLE / CODE	DESCRIPTION	
MTMFA0P 60020050	Blind intercom front panel made of natural anodized satin finish aluminum. With polycarbonate bracket, it features pictograms to indicate the status of the system. To pair up with an intercom module. Impact resistance rating IK07.	
MTMFA1P 60020060	1-button intercom front panel made of natural anodized satin finish aluminum. With polycarbonate bracket, it features pictograms to indicate the status of the system and 1 button with name tag size 66 x 15 mm. To pair up with an intercom module. Impact resistance rating IK07.	
MTMFA2P 60020070	2-button intercom front panel made of natural anodized satin finish aluminum. With polycarbonate bracket, it is equipped with pictograms to indicate the status of the system and 2 double rows of buttons with 55 x 15 mm name tags. To pair up with an intercom module. Impact resistance rating IK07.	
MTMFAL0P 60020080	Lite blind intercom front panel made of natural anodized satin finish aluminum. With polycarbonate bracket. To pair up with the MTMAL/01 lite intercom module. Impact resistance rating IK07.	
MTMFAL1P 60020090	1-button lite intercom front panel made of natural anodized satin finish aluminum. With polycarbonate bracket. It comes with 1 button and a 66 x 15 mm name tag. To pair up with the MTMAL/01 lite intercom module. Impact resistance rating IK07.	
MTMFAL2P 60020100	2-button lite intercom front panel made of natural anodized satin finish aluminum. With polycarbonate bracket. With 2 buttons, in double rows, and 55 x 15 mm name tags. To pair up with the MTMAL/01 lite intercom module. Impact resistance rating IK07.	

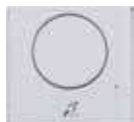
Video front panels

ARTICLE / CODE	DESCRIPTION	
MTMFV0P 62030030	Blind video intercom front panel made of natural anodized satin finish aluminum. With polycarbonate bracket, it features pictograms to indicate the status of the system. To pair up with an intercom module. Impact resistance rating IK07.	
MTMFVIP 62030040	1-button video intercom front panel made of natural anodized satin finish aluminum. With polycarbonate bracket, it features pictograms to indicate the status of the system and 1 button with name tag size 66 x 15 mm. To pair up with an intercom module. Impact resistance rating IK07.	
MTMFV2P 62030050	2-button video intercom front panel made of natural anodized satin finish aluminum. With polycarbonate bracket, it is equipped with pictograms to indicate the status of the system and 2 double rows of buttons with 55 x 15 mm name tags. To pair up with an intercom module. Impact resistance rating IK07.	

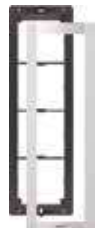
Front panels for call modules

ARTICLE / CODE	DESCRIPTION	
MTMF2P 60020110	2-button call module front panel made of natural anodized satin finish aluminum. With polycarbonate bracket and 2 single row buttons with name tag size 66 x 15 mm. To pair with the MTM8C or MTM8C/200 call module. Impact resistance rating IK07.	
MTMF3P 60020120	3-button call module front panel made of natural anodized satin finish aluminum. With polycarbonate bracket and 3 single row buttons with name tag size 66 x 15 mm. To pair with the MTM8C or MTM8C/200 call module. Impact resistance rating IK07.	
MTMF4P 60020130	4-button call module front panel made of natural anodized satin finish aluminum. With polycarbonate bracket and 4 single row buttons with name tag size 66 x 15 mm. To pair with the MTM8C or MTM8C/200 call module. Impact resistance rating IK07.	
MTMF8P 60020140	8-button call module front panel made of natural anodized satin finish aluminum. With polycarbonate bracket and 8 double row buttons with name tag size 55 x 15 mm. To pair with the MTM8C or MTM8C/200 call module. Impact resistance rating IK07.	

Front panels for electronic expansion modules

ARTICLE / CODE	DESCRIPTION	
MTMFRFID 60020260	RFID module front panel made of natural anodized satin finish aluminum. With polycarbonate bracket. To pair with the MTMRFID module. Impact resistance rating IK07.	
MTMFKB 60020270	Keypad module front panel made of natural anodized satin finish aluminum. With polycarbonate bracket. To pair with the MTMKB module. Impact resistance rating IK07.	
MTMFDY 60020280	Display module front panel made of natural anodized satin finish aluminum. With polycarbonate bracket. To pair with the MTMDY module. Impact resistance rating IK07.	
MTMFMI 60020300	Information module front panel made of natural anodized satin finish aluminum. With polycarbonate bracket. To pair with the MTMMI module. Impact resistance rating IK07.	
MTMFNA 60020910	Access control keypad module front panel made of natural anodized satin finish aluminum. With polycarbonate bracket. To pair with the MTMNA module. Impact resistance rating IK07.	
MTMFBF 60020920	Hearing impaired and voice synthesis module made of natural anodized satin finish aluminum. With polycarbonate bracket. To pair with the MTMBFVS module. Impact resistance rating IK07.	

Frames

ARTICLE / CODE	DESCRIPTION	
MTMTP1M 60020170	Frame and plaque for 1-module MTM. Black painted aluminum frame with cataphoresis finish ensures high resistance to corrosion and rust. Brushed anodized aluminum plaque.	
MTMTP2M 60020180	Frame and plaque for 2-module MTM. Black painted aluminum frame with cataphoresis finish ensures high resistance to corrosion and rust. Brushed anodized aluminum plaque.	
MTMTP3M 60020340	Frame and plaque for 3-module MTM. Black painted aluminum frame with cataphoresis finish ensures high resistance to corrosion and rust. Brushed anodized aluminum plaque.	
MTMTP4M 60020350	Frame and plaque for 4-module MTM. Black painted aluminum frame with cataphoresis finish ensures high resistance to corrosion and rust. Brushed anodized aluminum plaque.	

Accessories for recessed installation

ARTICLE / CODE	DESCRIPTION	
MTMSI1M 60020150	Flush mounting box for 1-module MTM entry panels. Plastic flush mounting box with 2 cable gland joints for installing side by side and with pre-punched holes for passing the cables.	
MTMSI2M 60020160	Flush mounting box for 2-module MTM entry panels. Plastic flush mounting box with 2 cable gland joints for installing side by side and with pre-punched holes for passing the cables.	
MTMSI3M 60020320	Flush mounting box for 3-module MTM entry panels. Plastic flush mounting box with 2 cable gland joints for installing side by side and with pre-punched holes for passing the cables.	
MTMSI4M 60020330	Flush mounting box for 4-module MTM entry panels. Plastic flush mounting box with 2 cable gland joints for installing side by side and with pre-punched holes for passing the cables.	

Accessories for surface mounted installation

ARTICLE / CODE	DESCRIPTION	
MTMSP1M 60020190	Box with rain flap for surface mounting vertical 1-module MTM entry panels. Surface mounting box with metal sheeting rain ledge, with pre-punched holes for passing the cables and with wall-fastening screws.	
MTMSP2M 60020200	Box with rain flap for Surface mounting vertical 2-module MTM entry panels. Surface mounting box with metal sheeting rain ledge, with pre-punched holes for passing the cables and with wall-fastening screws.	
MTMSP3M 60020360	Box with rain flap for surface mounting vertical 3-module MTM entry panels. Surface mounting box with metal sheeting rain ledge, with pre-punched holes for passing the cables and with wall-fastening screws.	
MTMSP4M 60020370	Box with rain flap for surface mounting vertical 4-module MTM entry panels. Surface mounting box with metal sheeting rain ledge, with pre-punched holes for passing the cables and with wall-fastening screws.	
MTMSP1M2 60020430	Box with rain flap for surface mounting horizontal 2-module MTM entry panels. Surface mounting box with metal sheeting rain ledge, with pre-punched holes for passing the cables and with wall-fastening screws.	
MTMSP1M3 60020440	Box with rain flap for surface mounting horizontal 3-module MTM entry panels. Surface mounting box with metal sheeting rain ledge, with pre-punched holes for passing the cables and with wall-fastening screws.	
MTMSP1M4 60020450	Box with rain flap for surface mounting horizontal 4-module MTM entry panels. Surface mounting box with metal sheeting rain ledge, with pre-punched holes for passing the cables and with wall-fastening screws.	
MTMSP2M2 60020460	Box with rain flap for surface mounting 2 vertical and 2 horizontal MTM entry panels. Surface mounting box with metal sheeting rain ledge, with pre-punched holes for passing the cables and with wall-fastening screws.	
MTMSP3M2 60020470	Box with rain flap for surface mounting 2 vertical and 3 horizontal MTM entry panels. Surface mounting box with metal sheeting rain ledge, with pre-punched holes for passing the cables and with wall-fastening screws.	
MTMSP3M3 60020480	Box with rain flap for surface mounting 3 vertical and 3 horizontal MTM entry panels. Surface mounting box with metal sheeting rain ledge, with pre-punched holes for passing the cables and with wall-fastening screws.	

VR audio front

ARTICLE / CODE	DESCRIPTION	
MTMFA0PVR 60020600	Anti-vandalism blind entry phone front in painted Zamak alloy. Complete with support in polycarbonate, it is furnished with pictographs for indication of the system status. To be combined with an entry phone module. IK09 grade impact protection.	
MTMFA1PVR 60020610	1-button entry phone front in painted Zamak alloy. Complete with support in polycarbonate, it is furnished with pictographs for indication of the system status and 1 button with 42 x 10 mm name card holder. To be combined with an entry phone module. IK09 grade impact protection.	
MTMFA2PVR 60020620	2-button entry phone front in painted Zamak alloy. Complete with support in polycarbonate, it is furnished with pictographs for indication of the system status and 2 buttons in two rows with 42 x 10 mm name card holder. To be combined with an entry phone module. IK09 grade impact protection.	
MTMFAL0PVR 60020630	Blind entry phone lite front in painted Zamak alloy. Complete with support in polycarbonate. To be combined with the entry phone lite module (MTMAL/01). IK09 grade impact protection.	
MTMFAL1PVR 60020640	1-button entry phone lite front in painted Zamak alloy. Complete with support in polycarbonate, it is equipped with 1 button and 42 x 10 mm name card holder. To be combined with the entry phone lite module (MTMAL/01). IK09 grade impact protection.	
MTMFAL2PVR 60020650	2-button entry phone lite front in painted Zamak alloy. Complete with support in polycarbonate, it is equipped with 2 buttons in two rows with 42 x 10 mm name card holder. To be combined with the entry phone lite module (MTMAL/01). IK09 grade impact protection.	

VR video front

ARTICLE / CODE	DESCRIPTION	
MTMFV0PVR 62030070	Blind video entry phone front in painted Zamak alloy. Complete with support in polycarbonate, it is furnished with pictographs for indication of the system status. To be combined with a video entry phone module. IK09 grade impact protection.	
MTMFV1PVR 62030080	Blind video entry phone front in painted Zamak alloy. Complete with support in polycarbonate, it is furnished with pictographs for indication of the system status and 1 button with 42 x 10 mm name card holder. To be combined with a video entry phone module. IK09 grade impact protection.	
MTMFV2PVR 62030090	2-button video entry phone front in painted Zamak alloy. Complete with support in polycarbonate, it is furnished with pictographs for indication of the system status and 2 buttons in two rows with 42 x 10 mm name card holder. To be combined with a video entry phone module. IK09 grade impact protection.	

Components for modular external units for X1, XIP, IP360, GSM and 200 systems

Front panels for call modules

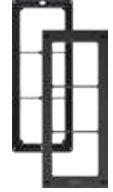
ARTICLE / CODE	DESCRIPTION	
MTMF2PVR 60020660	2-button call module front in painted Zamak alloy. Complete with support in polycarbonate and 2 buttons in a single row with 42 x 10 mm name card holder. To be combined with a calls module (MTM8C or MTM8C/200). IK09 grade impact protection.	
MTMF3PVR 60020670	3-button call module front in painted Zamak alloy. Complete with support in polycarbonate and 3 buttons in a single row with 42 x 10 mm name card holder. To be combined with a calls module (MTM8C or MTM8C/200). IK09 grade impact protection.	
MTMF4PVR 60020680	4-button call module front in painted Zamak alloy. Complete with support in polycarbonate and 4 buttons in a single row with 42 x 10 mm name card holder. To be combined with a calls module (MTM8C or MTM8C/200). IK09 grade impact protection.	
MTMF8PVR 60020690	8-button call module front in painted Zamak alloy. Complete with support in polycarbonate and 8 buttons in two rows with 42 x 10 mm name card holder. To be combined with a calls module (MTM8C or MTM8C/200). IK09 grade impact protection.	

Front panels for electronic expansion modules

ARTICLE / CODE	DESCRIPTION	
MTMFKBVR 60020700	Keyboard module front in painted Zamak alloy. Complete with support in polycarbonate. To be combined with a MTMKB module. IK09 grade impact protection.	
MTMFDYVR 60020710	Display module front in painted Zamak alloy. Complete with support in polycarbonate. To be combined with a MTMDY module. IK09 grade impact protection.	
MTMMCVR 60020730	Blind module complete with VR front. Module with body in technopolymer. Complete with blind front in painted Zamak alloy. IK09 grade impact protection.	
MTMFRFIDVR 60020720	RFID – information module front in painted Zamak alloy. Complete with support in polycarbonate. To be combined with a MTMRFID or MTMMI module. IK09 grade impact protection and IP54 grade water and dust protection rating.	
MTMFNAVR 60020930	Access control keyboard module front in painted Zamak alloy. Complete with support in polycarbonate. To be combined with a MTMNA module. IK09 grade impact protection.	
MTMFBFVR 60020950	Hard of hearing and voice synthesis front module in painted Zamak alloy. Complete with polycarbonate bracket. To be combined with an MTMBFVS module IK09 impact protection rating.	

Components for modular external units for X1, XIP, IP360, GSM and 200 systems

VR frames

ARTICLE / CODE	DESCRIPTION	
MTMTP1MVR 60020740	Frame and plate for 1 module MTM VR. Aluminum frame with cataphoresis and black paint finish to ensure high levels of resistance to corrosion and rust. Plate in painted Zamak alloy furnished with special anti-burglary screws.	
MTMTP2MVR 60020750	Frame and plate for 2-module MTM VR. Aluminum frame with cataphoresis and black paint finish to ensure high levels of resistance to corrosion and rust. Plate in painted Zamak alloy furnished with special anti-burglary screws.	
MTMTP3MVR 60020760	Frame and plate for 3-module MTM VR. Aluminum frame with cataphoresis and black paint finish to ensure high levels of resistance to corrosion and rust. Plate in painted Zamak alloy furnished with special anti-burglary screws.	
MTMTP4MVR 60020770	Frame and plate for 4-module MTM VR. Aluminum frame with cataphoresis and black paint finish to ensure high levels of resistance to corrosion and rust. Plate in painted Zamak alloy furnished with special anti-burglary screws.	

Controllers for system 200

ARTICLE / CODE	DESCRIPTION	
A/200N 61404810	Audio Entry Power Supply And Control Module For System 200. Plastic housing Protection rating IP30. 4 DIN low profile module. Clean contact output relay. Differential call note option. Output for stair light control actuator. 12v DC input for battery power. Power supply 230v, 50Hz, 15VA. Output Voltage 11V DC, stabilised 150mA (300mA peak). 14V AC, 650mA (1A intermittent current)	
ARTICLE / CODE	DESCRIPTION	
SI/200 61440810	Audio Entrance Selector For System 200. Plastic housing Protection rating IP30. 8 DIN low profile module. Switchable dual entrance unit. Power supply: 11V DC Current demand: 50mA	

Power supply units for X1 systems

ARTICLE / CODE	DESCRIPTION	
VA/01 62700030	18 V DC - 1100 mA power supply unit for Z1 video entry phone systems. Plastic casing for installing on switchboards (EN50022) and size 12 low DIN modules. Control board for managing 18 V DC - 1100 mA max., video intercom entry panels and for managing the main 20 V DC - 800 mA max., video intercom. It has electronic, overload or short circuit protection. Equipped with terminals for managing the main bus line and terminals for connecting, over bus line, 3 video intercom entry panels. Built-in intercom selector. Open collector outputs for auxiliary functions (AUX1 and AUX2). Manual or PC programming via MINI USB connector. Entry jumper for programming the access control devices. 230 V AC 50/60 Hz supply from the power grid. IP30 water and dust protection rating rating.	

Power drivers for XIP systems

ARTICLE / CODE	DESCRIPTION	
VA/08 62700020	Power drivers for 18 V DC - 1100 mA XIP video intercom systems. Plastic casing for installing in EN50022 control panels and size 12 low DIN modules. Control board for controlling 18 V DC - 1100 mA max. entry panels, and for controlling 20 V DC - 800 mA max. main video intercom, with electronic overload and short-circuit protection. Equipped with terminals for managing the main bus line and terminals for connecting audio/video/bus, for 4 entry panels. Open collector outputs for auxiliary functions (AUX1 and AUX2). Serial connector for connecting to the ETI/XIP gateway. Manual or PC programming via MINI USB connector. Entry jumper for programming the access control devices. 230 V AC 50/60 Hz supply from the power grid. IP30 water and dust protection rating rating.	

Repeaters

ARTICLE / CODE	DESCRIPTION	
XAS/301.01 62704701	Power supply/repeater for 20 V DC - 800 mA audio, video and data signals. Plastic container for installing in EN50022 electrical panels, and eight-DIN low modules. Control board for directly supplying 20 V DC - 800 mA max. indoor receivers, with electronic overload and short-circuit protection. Equipped with terminals for IN/OUT connection from the riser column, 7 switches for signal compensation according to distances, 1 switch to allow the firmware update of the device to be carried out through the MINI USB connector and 1 button for resetting the device. Equipped with potentiometers for compensating audio volumes to and from the indoor receiver. 2 LEDs for checking the connection and data transfer. 230 V AC 50/60 Hz supply from the power grid. IP30 water and dust protection rating rating.	

Additional power drivers

ARTICLE / CODE	DESCRIPTION	
VAS/101 62700011	18 V DC - 1000 mA additional power-supply unit. Plastic container for installing in EN50022 electrical panels, and four-DIN low modules. Full control board for powering, 18 V DC - 1000 mA max., entry panels and indoor receivers, protected from overloads or short circuits. 230 V AC 50/60 Hz supply from the power grid. IP30 water and dust protection rating rating.	
VAS/100.30 62703310	Supplementary 17.5 V DC - 1700 mA power supply unit. Plastic container for installing in EN50022 electrical panels, and eight-DIN low modules. Full control board for powering, 17.5 V DC - 1700 mA max., entry panels and indoor receivers, protected from overloads and short circuits. 230 V AC 50/60 Hz supply from the power grid. IP30 water and dust protection rating rating.	

X1 video distributors

ARTICLE / CODE	DESCRIPTION	
XDV/304 62821300	4-output video distributor for signal distribution. Miniaturised container for installation in junction boxes or electrical panels (EN50022) and size 1 low DIN module. Furnished with 4 video output to internal branches and 4 terminals for IN/OUT connection from the riser. Each output (excluding the first) has 1 jumper for closing the line impedance. Does not require power supply. IP30 water and dust protection rating rating.	
XDV/304A 62825800	4-output amplified video distributor for signal distribution. Plastic container for installation in electrical panels (EN50022) and size 6 low DIN modules. Furnished with 4 video output to internal branches, 3 power outputs (14 - 18 V DC) and 4 terminals for IN/OUT connection from the riser. Each output has 1 jumper for closing the line impedance. Requires 14 - 18 V DC - 60 mA max. power supply IP30 water and dust protection rating rating.	

X1 video distributors

ARTICLE / CODE	DESCRIPTION	
XDV/303 62822600	Balanced signal distributor to distribute or concentrate video transmission lines on XIP systems. Plastic container for installation in electrical panels (EN50022) and size 8 low DIN modules. It is furnished with 4 inputs/outputs that can be configured using jumpers. Furnished with 3 switches for the video signal compensation and another 3 switches for choosing the system configuration. Requires 14 - 18 V DC - 300mA max. Power supply IP30 water and dust protection rating rating.	

Selectors for intercoms

ARTICLE / CODE	DESCRIPTION	
VSE/301.01 62747401	Intercom selector for X1 systems. Plastic container for installation in electrical panels (EN50022) and size 6 low DIN modules. It enables the creation of a group of internal intercom branches maintaining the connection with the main riser and is able to provide power on the bus to the internal branches (20 V DC - 800 mA max). Furnished with 4 terminals for IN/OUT connection of the rise and 1 button to enter programming and to reset the data in the memory. 230 V AC 50/60 Hz power supply from electrical grid. IP30 water and dust protection rating rating.	

Video selectors for X1 systems

ARTICLE / CODE	DESCRIPTION	
VSC/01 62740060	CCTV analogue cameras cyclical connector for X1 systems. Miniaturized container for installation in junction boxes or electric panels (EN50022) and size 1 low DIN module. Furnished with 4 inputs for video signals from 4 standard cameras (CCIR/EIA or PAL/NTSC) and 3 dip-switches for programming the number of connected cameras. Furnished with 4 LEDs for the indication of connected cameras and 1 LED for checking the programming status. Requires 12 - 18 V DC - 100 mA max. power supply.	

Video selectors for XIP systems

ARTICLE / CODE	DESCRIPTION	
VSC/08 62740020	CCTV analogue cameras cyclical connector for X1 systems. Miniaturized container for installation in junction boxes or electric panels (EN50022) and size 1 low DIN module. Furnished with 4 inputs for video signals from 4 standard cameras (CCIR/EIA or PAL/NTSC), 2 dip-switches for programming the number of connected cameras and 3 dip-switches for line impedance management. Furnished with 4 LEDs for the indication of connected cameras, 1 LED for checking the programming status and 1 LED to indicate data transmission. Requires 12 - 18 V DC - 90 mA max. external power supply.	

Video amplifiers

ARTICLE / CODE	DESCRIPTION	
XDV/300A 62822000	Video signal amplifier. Miniaturized container for installation in junction boxes or electric panels (EN50022) and size 1 low DIN module. Furnished with IN/OUT terminals for video signal and 2 switches for signal compensation based on the connection mode. To be used on the main riser after 10 XDV/304 or on a branch of an XDV/304 for the connection of additional video distributors in cascade. Does not require power supply.	
XDV/304A 62825800	4-output amplified video distributor for signal distribution. Plastic container for installation in electrical panels (EN50022) and size 6 low DIN modules. Furnished with 4 video output to internal branches, 3 power outputs (14 - 18 V DC) and 4 terminals for IN/OUT connection from the riser. Each output has 1 jumper for closing the line impedance. Requires 14 - 18 V DC - 60 mA max. power supply IP30 water and dust protection rating rating.	

Repeaters

ARTICLE / CODE	DESCRIPTION	
RIR/08 62800330	Data line repeater for XIP system. Miniaturized container for installation in junction boxes or electric panels (EN50022) and size 1 low DIN module. Furnished with 4 dip-switches for line impedance management. Requires 12÷18 V DC – 65 mA max. power supply.	

Relay unit

ARTICLE / CODE	DESCRIPTION	
VLS/101M 62800580	Relay unit for auxiliary services. Servo-relay for auxiliary services such as staircase lighting, sirens, openings etc. made in miniaturized container for installation in electrical panels (EN50022) and size 1 low DIN module. The relay is fitted with pulse-type switching contacts (breaking power 5 A resistive – 2 A inductive, max. voltage 250 V AC) and can be controlled in direct or alternating current from 10 V to 24 V, or by low-level electrical signals from the system. Requires 10-24 V DC – 40 mA max. power supply	
VLS/300 62825400	2-relay unit for auxiliary services. Servo-relay for auxiliary services such as staircase lighting, sirens, openings etc. made in plastic containers for installation in electrical panels (EN50022) and size 4 low DIN module. The unit has 2 relays with switching contact with a breaking power of 2 A resistive (1 A inductive) and max. voltage 250 V AC. The 2 relays are by default associated with the door open commands and AUX 2. It is furnished with 6 dip-switches for programming the device, 1 potentiometer for the adjustment of the activation time of relay 1 (door open) and 1 LED indicating the data reception status from the bus line. Requires 12-14 V AC or 14-18 DC – 50 mA max. power supply IP30 water and dust protection rating rating.	
VLS/2 62800470	2-relay unit for auxiliary services. Servo-relay for auxiliary services such as staircase lighting, sirens, openings etc. made in miniaturized container for installation in electrical panels (EN50022) and size 1 low DIN module. The unit has 2 relays with switching contact with a breaking power of 5 A resistive (2 A inductive) and max. voltage 250 V AC. The 2 relays are by default associated with the door open commands and AUX 2. It is furnished with 8 dip-switches for programming (manually or from the PC) the device, 1 potentiometer for the adjustment of the activation time of relay 1 (door open) and 1 LED to check the programming and data transmission status. It does not require power supply.	

Relay units for XIP systems

ARTICLE / CODE	DESCRIPTION	
VLS/3 62800290	3-relay unit for auxiliary services for XIP system. Servo-relay for auxiliary services such as staircase lighting, sirens, openings etc. made in miniaturized container for installation in electrical panels (EN50022) and size 4 low DIN module. The unit has 3 relays with switching contact with a breaking power of 10 A resistive (2 A inductive) and max. voltage 250 V AC. The 3 relays are associated by default with the door open commands and AUX2, 5 LEDs for checking the operating status, the programming and data transmission status. Programming from PC. It requires 11-18 V DC – 200 mA max. power supply.	

Cables

ARTICLE / CODE	DESCRIPTION	
VCM/1D 62828000	Package with 100 m double-twisted cable with 1 mm² cross-section, CPR Eca class. Cable with insulating external PVC sheath with 7 mm, yellow colour RAL 1021. Wires winding 10 coils/m. Tinned copper wires in white colour RAL 9001 and blue RAL 5015. Nominal impedance 100 ohm (f=1 MHz), capacity 50 pF (at 20° C). Minimum cable curvature radius of 80 mm. It complies with latest edition of CEI 46-6 regulations.	
VCM/1D/500 62828100	Package with 500 m double-twisted cable with 1 mm² cross-section, CPR Eca class. Cable with insulating external PVC sheath with 7 mm, yellow colour RAL 1021. Wires winding 10 coils/m. Tinned copper wires in white colour RAL 9001 and blue RAL 5015. Nominal impedance 100 ohm (f=1 MHz), capacity 50 pF (at 20° C). Minimum cable curvature radius of 80 mm. It complies with latest edition of CEI 46-6 regulations.	
VCM/2D 62823300	Package with 100 m double-twisted cable with 1 mm² cross-section and 2 wires with 1 mm² cross-section, CPR Eca class. Cable with external insulating PVC sheath with 8 mm diameter, yellow colour RAL 1021. Twisted pair with helix stranding at 70 mm steps. Tinned copper wires. White/blue and blue for twisted pair, red and green for power wires. Twisted pair nominal impedance 100 ohm (f=1 MHz), capacity 50 pF (at 20° C). Minimum cable curvature radius of 80 mm. It complies with the latest edition of the CEI 46-6 regulations, latest edition of CEI 20-11, CEI 20-37 regulations.	
VCM/2D/500 62823400	Package with 500 m double-twisted cable with 0.28 mm² cross-section and 2 wires with 1 mm² cross-section, CPR Eca class. Cable with external insulating PVC sheath with 8 mm diameter, yellow colour RAL 1021. Twisted pair with helix stranding at 70 mm steps. Tinned copper wires. White/blue and blue for twisted pair, red and green for power wires. Twisted pair nominal impedance 100 ohm (f=1 MHz), capacity 50 pF (at 20° C). Minimum cable curvature radius of 80 mm. It complies with the latest edition of the CEI 46-6 regulations, latest edition of CEI 20-11, CEI 20-37 regulations.	
VCM/4D 62823600	Package with 150 m of cable with 3 twisted pairs with 0.28 mm² cross-section and 2 wires with 1.5 mm² cross-section, CPR Eca class. Cable with external insulating PVC sheath with 11 mm diameter, yellow colour RAL 1021. Twisted pair with helix stranding at 70 mm steps. Tinned copper wires. Twisted pair colours in blue/blue-white, brown/brown-white, orange/orange-white and red and green for power wires. Twisted pair nominal impedance 100 ohm (f=1 MHz), capacity 50 pF (at 20° C). Minimum cable curvature radius of 150 mm. It complies with the latest edition of the CEI 46-6 regulations/latest edition of CEI 20-11/CEI 20-37.	
VCM/4D/500 62823700	Package with 500 m of cable with 3 twisted pairs with 0.28 mm² cross-section and 2 wires with 1.5 mm² cross-section, CPR Eca class. Cable with external insulating PVC sheath with 11 mm diameter, yellow colour RAL 1021. Twisted pair with helix stranding at 70 mm steps. Tinned copper wires. Twisted pair colours in blue/blue-white, brown/brown-white, orange/orange-white and red and green for power wires. Twisted pair nominal impedance 100 ohm (f=1 MHz), capacity 50 pF (at 20° C). Minimum cable curvature radius of 150 mm. It complies with the latest edition of the CEI 46-6 regulations/latest edition of CEI 20-11/CEI 20-37.	

Software

ARTICLE / CODE	DESCRIPTION
PCS/XIP 62800310	Programming software for X1, XIP and IP360 system. Software compatible with the operating systems Microsoft Windows 7, Windows 8.1 or Windows 10 or higher. Includes USB cable (4 m), 2 GB PEN DRIVE and instruction manual. System requirements: Intel® Core 2 processor or AMD Athlon®; 1.5 GHz or higher, 2 GB of RAM, minimum hard disk space 40 MB.



Porter switchboard licences

ARTICLE / CODE	DESCRIPTION
PCS/PORTER 62800320	Porter switchboard licences. Required for the activation of 1 porter station on PC. To be used with the XIP/PORTER software. The software, compatible with all the PCs furnished with the Windows operating system, enables the total supervision of the video entry phone system, including for large residential complexes. On the main screen, the devices are displayed with different views to aid searches: complete system, favourites, plates and cameras. The status of each device is easily identifiable by means of coloured icons (free, busy etc...). It enables the interception of calls from external units, forwarding to the internal units, door opening or turning lights on or various activations, the monitoring of the video surveillance system.

Server

ARTICLE / CODE	DESCRIPTION
ETI/SER XIP V3 62740121	Server for XIP system and IP360. Metal container with heat sink. It centralizes all the system's video entry phone functions, the management of the porter service and the access control functions. It enables the use of porter software, branches on PC Soft-Receiver, video entry phone App and third-party devices. It is furnished with 1 RJ45 port for Ethernet 10/100/1000 BaseT networks, with 2 USB 3.0 ports for maintenance operations. The server includes 1 licence that can be used for Porter or Soft-Receiver. Supports the SIP protocol and manages up to 18 simultaneous A/V communications. 12 V DC power supply/transformer included.
ETI/MINISER XIP 62740110	Mini-server for XIP system and IP360. Plastic container for installation in electrical panels (EN50022) and size 6 low DIN modules. It centralises all the system's video entry phone functions and the access control functions. It enables the use of video entry phone Apps and third-party devices (6 configurable licences already included). It is equipped with 2 RJ45 ports for Ethernet 10/100 Mb networks, which can be configured in "switch" or "dual-network" modes (enables the separation between the condominium's LAN and the apartment's LAN) and 1 USB port for exporting events logs. Supports the SIP protocol and manages up to 10 simultaneous A/V communications. Requires 12 - 24 V DC – 285 mA max. power supply IP30 water and dust protection rating.



Network interfaces

ARTICLE / CODE	DESCRIPTION	
ETI/XIP 62740030	LAN network interface for XIP system. Plastic container for installation in electrical panels (EN50022) and size 8 low DIN modules. It enables the creation of video entry phone systems by means of the Ethernet network and enables the management of the access control functions. It is furnished with one rapid connector for VA/08 power units, 2 RJ45 ports in “switch” configuration for Ethernet 10/100 Mb networks and terminals for the direct connection of a external XIP unit. Availability of 3 programmable inputs, 1 mini USB port for device firmware updating and 3 LEDs for the indication of the status of the system and the communications. The gateway supports the XIP and SIP protocols and manages up to 2 simultaneous A/V communications. Requires 14 - 18 V DC – 390 mA max. power supply IP30 water and dust protection rating.	

Analytical index by CODE

CODE	Article	Page	CODE	Article	Page	CODE	Article	Page
60020010	MTMA/01	52	60020700	MTMFKBVR	73	62821300	XDV/304	76
60020030	MTM8C	64	60020710	MTMFDYVR	73	62822000	XDV/300A	77
60020040	MTMA/IP	54	60020720	MTMFRFIDVR	73	62822600	XDV/303	76
60020050	MTMFA0P	67	60020730	MTMMCVR	73	62823300	VCM/2D	79
60020060	MTMFA1P	67	60020740	MTMTP1MVR	74	62823400	VCM/2D/500	79
60020070	MTMFA2P	67	60020750	MTMTP2MVR	74	62823600	VCM/4D	79
60020080	MTMFAL0P	67	60020760	MTMTP3MVR	74	62823700	VCM/4D/500	79
60020090	MTMFAL1P	67	60020770	MTMTP4MVR	74	62825400	VLS/300	78
60020100	MTMFAL2P	67	60020910	MTMFNA	68	62825800	XDV/304A	76
60020110	MTMF2P	68	60020920	MTMFBF	68	62828000	VCM/1D	79
60020120	MTMF3P	68	60020930	MTMFNAVR	73	62828100	VCM/1D/500	79
60020130	MTMF4P	68	60020950	MTMFBFVR	73	62940020	MITHO SB NF	41
60020140	MTMF8P	68	60240070	AGATA C 200 UK	09	840CC-0010	PEC IP WH	21
60020150	MTMSI1M	69	60240040	AGATA C/B 200	10	840CC-0020	PEC IP BK	22
60020160	MTMSI2M	69	60240050	AGATA C	07	840CH-0030	XTS 7 WH WIFI	37
60020170	MTMTP1M	69	60240060	AGATA C/B	08	840CH-0040	XTS 7 BK WIFI	38
60020180	MTMTP2M	69	60540010	PEC BI	19	840CH-0060	XTS 7IP WH WIFI	33
60020190	MTMSP1M	70	60540020	PEC NF	20	840CH-0070	XTS 7IP BK WIFI	34
60020200	MTMSP2M	70	61800680	KT A	11	840CH-0090	XTS 5IP WH	35
60020210	MTMA/200	53	62030010	MTMV/01	57	840CH-0100	XTS 5IP BK	36
60020220	MTM8C/200	64	62030020	MTMV/IP	58	840XC-0080	XTS 7SI	39
60020230	MTMKB	60	62030030	MTMFV0P	67	840XC-0090	XTS 5SI	39
60020240	MTMDY	61	62030040	MTMFV1P	67	840XC-0100	XTS 7SIC	39
60020250	MTMRFID	62	62030050	MTMFV2P	67	840XC-0110	XTS 5SIC	39
60020260	MTMFRFID	68	62030060	MTMV/08	59	840XC-0120	XTS 7KT	39
60020270	MTMFKB	66	62030070	MTMFV0PVR	71	840XC-0130	XTS 5KT	39
60020280	MTMFDY	68	62030080	MTMFV1PVR	71			
60020290	MTMMI	65	62030090	MTMFV2PVR	71			
60020300	MTMFMI	68	62100180	PEV BI	24			
60020310	MTMMC	66	62100190	PEV NF	25			
60020320	MTMSI3M	69	62100270	OPALE WHITE	29			
60020330	MTMSI4M	69	62100280	OPALE BLACK	30			
60020340	MTMTP3M	69	62100370	AGATA VC	15			
60020350	MTMTP4M	69	62100380	AGATA VC/B	14			
60020360	MTMSP3M	70	62100580	AGATA VC/B-L	16			
60020370	MTMSP4M	70	62700011	VAS/101	76			
60020380	MTMNA	63	62700020	VA/08	75			
60020390	MTMBFVS	65	62700030	VA/01	75			
60020410	MTMA/GSM	56	62703310	VAS/100.30	76			
60020420	MTMA/08	55	62704701	XAS/301.01	75			
60020430	MTMSP1M2	70	62740020	VSC/08	77			
60020440	MTMSP1M3	70	62740030	ETI/XIP	81			
60020450	MTMSP1M4	70	62740060	VSC/01	77			
60020460	MTMSP2M2	70	62740110	ETI/miniSER XIP	80			
60020470	MTMSP3M2	70	62740121	ETI/SER XIP V3	80			
60020480	MTMSP3M3	70	62747401	VSE/301.01	77			
60020600	MTMFA0PVR	71	62800290	VLS/3	78			
60020610	MTMFA1PVR	71	62800310	PCS/XIP	80			
60020620	MTMFA2PVR	71	62800320	PCS/PORTER	80			
60020630	MTMFAL0PVR	71	62800330	RIR/08	78			
60020640	MTMFAL1PVR	71	62800360	OPALEKP WHITE	31			
60020650	MTMFAL2PVR	71	62800370	OPALEKP BLACK	31			
60020660	MTMF2PVR	72	62800380	OPALESI	31			
60020670	MTMF3PVR	72	62800470	VLS/2	78			
60020680	MTMF4PVR	72	62800550	KT V	17			
60020690	MTMF8PVR	72	62800580	VLS/101M	78			

Analytical index by ARTICLE

ARTICLE	Code	Page	ARTICLE	Code	Page	ARTICLE	Code	Page
AGATA C	60240050	07	MTMFV1PVR	62030080	71	VCM/4D	62823600	79
AGATA C 200	60240030	09	MTMFV2P	62030050	67	VCM/4D/500	62823700	79
AGATA C/B	60240060	08	MTMFV2PVR	62030090	71	VLS/101M	62800580	78
AGATA C/B 200	60240040	10	MTMKB	60020230	60	VLS/2	62800470	78
AGATA VC	62100370	15	MTMMC	60020310	66	VLS/3	62800290	78
AGATA VC/B	62100380	14	MTMMCVR	60020730	73	VLS/300	62825400	78
AGATA VC/B-L	62100580	16	MTMMI	60020290	65	VSC/01	62740060	77
ETI/miniSER XIP	62740110	80	MTMNA	60020380	63	VSC/08	62740020	77
ETI/SER XIP V3	62740121	80	MTMRFID	60020250	62	VSE/301.01	62747401	77
ETI/XIP	62740030	81	MTMSI1M	60020150	69	XAS/301.01	62704701	75
KT A	61800680	11	MTMSI2M	60020160	69	XDV/300A	62822000	77
KT V	62800550	17	MTMSI3M	60020320	69	XDV/303	62822600	76
MITHO SB NF	62940020	41	MTMSI4M	60020330	69	XDV/304	62821300	76
MTM8C	60020030	64	MTMSP1M	60020190	70	XDV/304A	62825800	76
MTM8C/200	60020220	64	MTMSP1M2	60020430	70	XTS 5IP BK	840CH-0100	36
MTMA/01	60020010	52	MTMSP1M3	60020440	70	XTS 5IP WH	840CH-0090	35
MTMA/08	60020420	55	MTMSP1M4	60020450	70	XTS 5KT	840XC-0130	39
MTMA/200	60020210	53	MTMSP2M	60020200	70	XTS 5SI	840XC-0090	39
MTMA/GSM	60020410	56	MTMSP2M2	60020460	70	XTS 5SIC	840XC-0110	39
MTMA/IP	60020040	54	MTMSP3M	60020360	70	XTS 7 BK WIFI	840CH-0040	38
MTMBFVS	60020390	65	MTMSP3M2	60020470	70	XTS 7 WH WIFI	840CH-0030	37
MTMDY	60020240	61	MTMSP3M3	60020480	70	XTS 7IP BK WIFI	840CH-0070	34
MTMF2P	60020110	68	MTMSP4M	60020370	70	XTS 7IP WH WIFI	840CH-0060	33
MTMF2PVR	60020660	72	MTMTP1M	60020170	69	XTS 7KT	840XC-0120	39
MTMF3P	60020120	68	MTMTP1MVR	60020740	74	XTS 7SI	840XC-0080	39
MTMF3PVR	60020670	72	MTMTP2M	60020180	69	XTS 7SIC	840XC-0100	39
MTMF4P	60020130	68	MTMTP2MVR	60020750	74			
MTMF4PVR	60020680	72	MTMTP3M	60020340	69			
MTMF8P	60020140	68	MTMTP3MVR	60020760	74			
MTMF8PVR	60020690	72	MTMTP4M	60020350	69			
MTMFA0P	60020050	67	MTMTP4MVR	60020770	74			
MTMFA0PVR	60020600	71	MTMV/01	62030010	57			
MTMFA1P	60020060	67	MTMV/08	62030060	59			
MTMFA1PVR	60020610	71	MTMV/IP	62030020	58			
MTMFA2P	60020070	67	OPALE BLACK	62100280	30			
MTMFA2PVR	60020620	71	OPALE WHITE	62100270	29			
MTMFAL0P	60020080	67	OPALEKP BLACK	62800370	31			
MTMFAL0PVR	60020630	71	OPALEKP WHITE	62800360	31			
MTMFAL1P	60020090	67	OPALESI	62800380	31			
MTMFAL1PVR	60020640	71	PCS/PORTER	62800320	80			
MTMFAL2P	60020100	67	PCS/XIP	62800310	80			
MTMFAL2PVR	60020650	71	PEC BI	60540010	19			
MTMFBF	60020920	68	PEC IP BK	840CC-0020	22			
MTMFBFVR	60020950	73	PEC IP WH	840CC-0010	21			
MTMFDY	60020280	68	PEC NF	60540020	20			
MTMFDYVR	60020710	73	PEV BI	62100180	24			
MTMFKB	60020270	68	PEV NF	62100190	25			
MTMFKBVR	60020700	73	RIR/08	62800330	78			
MTMFMI	60020300	68	VA/01	62700030	75			
MTMFNA	60020910	68	VA/08	62700020	75			
MTMFNAVR	60020930	73	VAS/100.30	62703310	76			
MTMFRFID	60020260	68	VAS/101	62700011	76			
MTMFRFIDVR	60020720	73	VCM/1D	62828000	79			
MTMFV0P	62030030	67	VCM/1D/500	62828100	79			
MTMFV0PVR	62030070	71	VCM/2D	62823300	79			
MTMFV1P	62030040	67	VCM/2D/500	62823400	79			

GENERAL CONDITIONS OF SALE

CAME BPT UK LTD (“THE SELLER”)

The Buyer's attention is drawn in particular to the provisions of clause 10.

1. INTERPRETATION

1.1 Definitions. In these Conditions, the following definitions apply:

- Additional Charges: any additional charges arising under the Contract payable by the Buyer in addition to the price for the Goods and "Additional Charge" shall mean any one of the Additional Charges.
- Buyer: the person firm or company who buys or agrees to buy the Goods from the Seller.
- Conditions: these terms and conditions of sale.
- Contract: the contract between the Seller and the Buyer for the sale and purchase of Goods in accordance with these Conditions.
- Delivery Date: the date specified by the Seller when the Goods are to be delivered or other such date as may be agreed by the parties in writing;
- Delivery Location: the location set out in the Order or such other location as the parties may agree in writing, or where no such location is specified, the Buyer's premises detailed on the quotation given by the Seller to the Buyer in respect of the Goods.
- Force Majeure Event: as defined in clause 11.1.
- Goods: all goods (or any part thereof) set out in the Order.
- Group: in relation to a company, that company, any subsidiary or holding company (as defined in section 1159 of the Companies Act 2006) of that company, and any subsidiary of a holding company of that company.
- Order: the Buyer's order for the Goods, as set out in the Buyer's purchase order form, the Buyer's written acceptance of the Seller's quotation, or overleaf, as the case maybe.
- Seller: CAME BPT UK Limited, registered in England and Wales with company number 03267714, whose registered office is Unit 1B, Willow Farm Business Park, Castle Donington, Derby, DE74 2US.
- Wasted Time Rate: the charge for wasted time at the Seller's standard rate for wasted time of £1 (one pound) per minute up to and including 30 (thirty) minutes and thereafter at a charge of £2 (two pounds) per minute, or such other charge as notified to the Buyer from time to time.
- 1.2 Construction. In these Conditions, the following rules apply:
- (a) A person includes a natural person, corporate or unincorporated body (whether or not having separate legal personality).
- (b) A reference to a party includes its personal representatives, successors or permitted assigns.
- (c) A reference to a statute or statutory provision is a reference to such statute or provision as amended or re-enacted. A reference to a statute or statutory provision includes any subordinate legislation made under that statute or statutory provision, as amended or re-enacted.
- (d) Any phrase introduced by the terms including, include, in particular or any similar expression shall be construed as illustrative and shall not limit the sense of the words preceding those terms.
- (e) A reference to writing or written includes faxes and e-mails.

2. BASIS OF CONTRACT

- 2.1 These Conditions shall apply to the sale by the Seller of all Goods purchased by the Buyer and these Conditions shall govern the Contract to the exclusion of any other terms and conditions introduced or submitted by the Buyer.
- 2.2 The Order constitutes an offer by the Buyer to purchase the Goods in accordance with these Conditions. The Buyer is responsible for ensuring that the terms of the Order and any applicable specification of the Goods are complete and accurate.
- 2.3 The Order shall only be deemed to be accepted when the Seller acknowledges the Order in writing and not before, at which point the Contract shall come into existence.
- 2.4 Any tenders or quotations will not constitute an offer. Any tenders or quotations submitted to the Buyer shall remain valid for the period stated therein, but if no period is specified such tenders and quotations shall be valid for 30 days from the date thereof. All tenders and quotations shall be subject to these Conditions.
- 2.5 Any typographical, clerical or other error or omission in any sales literature, quotation, pricelist, acceptance of offer, invoice or other documentation or information issued by the Seller shall be subject to correction without any liability on the part of the Seller.
- 2.6 The Seller's employees or agents are not authorised to make any representations concerning the Goods unless confirmed by an authorised director of the Seller in writing. In entering into the Contract the Buyer acknowledges that it does not rely on any such representations which are not so confirmed, save that nothing in these Conditions shall exclude the Sellers liability for fraudulent misrepresentation.
- 2.7 No Order which has been accepted by the Seller may be cancelled by the Buyer except with the agreement in writing of the Seller and on terms that the Buyer shall indemnify the Seller in full against all loss (including loss of profit), costs (including the cost of all labour and materials used), damages, charges and expenses incurred by the Seller as a result of cancellation.

3. GOODS

- 3.1 The Goods are described in the Seller's catalogue as modified by any applicable specification.
- 3.2 Unless the Seller agrees otherwise, only the specifications referred to in the quotation shall form part of the Contract.
- 3.3 The Seller reserves the right subject to giving prior written notice to the Buyer to modify the said specifications where the Goods cannot in the opinion of the Seller be manufactured according to the said specifications and the Buyer agrees to accept the Goods as manufactured according to the specifications so modified in satisfaction of the Seller's obligations as to manufacture of the Goods under the Contract.
- 3.4 To the extent that the Goods are to be manufactured in accordance with a specification supplied by the Buyer, the Buyer shall indemnify the Seller against all liabilities, costs, expenses, damages and losses (including any direct, indirect or consequential losses, loss of profit, loss of reputation and all interest, penalties and legal and other reasonable professional costs and expenses) suffered or incurred by the Seller in connection with any claim made against the Seller for actual or alleged infringement of a third party's intellectual property rights arising out of or in connection with the Seller's use of such specification. This clause 3.2 shall survive termination of the Contract.
- 3.5 The Seller reserves the right to make any changes to the Goods:
- (a) which are required so that the Goods conform with any applicable statutory or EU requirement; or
- (b) where such changes to the Goods do not materially affect the quality or performance of the Goods.

4. SAFETY

- 4.1 Any Goods supplied by the Seller shall be handled correctly by the Buyer and in accordance with any of the Seller's instructions as notified to the Buyer from time to time. The Buyer must ensure that all appropriate safety precautions are taken and that its staff is aware of and comply with all storage and usage instructions.

5. DELIVERY

- 5.1 Unless otherwise agreed by the Seller in writing, the Seller will deliver the Goods to the Delivery Location.
- 5.2 The Seller will reasonably endeavour to deliver the Goods on the Delivery Date, but the time of delivery or performance shall not be of the essence. The Seller shall not be liable for any delay in delivery of the Goods that is caused by a Force Majeure Event or the Buyer's failure to provide the Seller with adequate delivery instructions or any other instructions that are relevant to the supply of the Goods.
- 5.3 If the Seller fails to deliver the Goods (or any instalment thereof) the Seller's liability shall be limited to the excess (if any) of the cost to the Buyer (in the cheapest available market) of similar goods to replace those not delivered over the Price of the Goods. The Seller shall have no liability for any failure to deliver the Goods to the extent that such failure is caused by a Force Majeure Event, the Buyer's fault, or the Buyer's failure to provide the Seller with adequate instructions in relation to delivery or otherwise.
- 5.4 The Buyer shall provide the Seller with clear delivery instructions and accept delivery on the Delivery Date and at the Delivery Location. Upon delivery the Buyer shall sign a delivery note which will be conclusive evidence that delivery of the Goods has been made.
- 5.5 Unless the Seller agrees otherwise in writing, the Seller shall unload the Goods. The Buyer shall ensure that at least one representative is available to assist the Seller during the unloading of the Goods. Other than by reason of the Seller's fault, the Buyer shall be charged, as an Additional Charge, for wasted time at the Wasted Time Rate and any other expenses incurred by the Seller for:
- (a) any delay caused by the Buyer's inability or unwillingness to accept delivery of, or to collect, the Goods; and/or
- (b) each repeat delivery where the Seller or Seller's carrier leaves the Delivery Location and subsequently returns to the Delivery Location with the Goods.
- 5.6 If the Buyer fails to accept delivery of the Goods within three Business Days of the Seller notifying the Buyer that the Goods are ready, then, except where such failure or delay is caused by a Force Majeure Event or the Seller's failure to comply with its obligations under the Contract:
- (a) delivery of the Goods shall be deemed to have been completed at 9.00am on the third working day after the day on which the Seller notified the Buyer that the Goods were ready; and
- (b) the Seller will store the Goods until delivery takes place, and charge the Buyer for all related costs and expenses (including insurance).
- 5.7 If the Buyer has not accepted delivery of the Goods within 10 working days from day after the Seller notified the Buyer that the Goods were ready for delivery, the Seller may resell or otherwise dispose of part or all of the Goods and, after deducting reasonable storage and selling costs, account to the Buyer for any excess over the price of the Goods or charge the Buyer for any shortfall below the price of the Goods.
- 5.8 The Seller shall have the right to deliver any Goods ordered in instalments. Failure by the Seller to deliver any one or more of the instalments in accordance with these Conditions or any claim by the Buyer in respect of the Goods delivered in any one or more instalments shall not entitle the Buyer either to treat the Contract as a whole as repudiated or to reject or refuse to take delivery of any of the Goods delivered in any other instalment.

6. RISK AND TITLE

- 6.1 Risk in the Goods shall pass to the Buyer at the time of delivery, or if the Buyer wrongfully fails to take delivery, the time when delivery is deemed to have taken place in accordance with clause 5.6(a).
- 6.2 Title to the Goods shall not pass to the Buyer until the earlier of:
- (a) the Seller receives payment in full (in cash or cleared funds) for the Goods and any other goods that the Seller has supplied to the Buyer in respect of which payment has become due, in which case title to the Goods shall pass at the time of payment of all such sums; or
- (b) the Buyer resells the Goods, in which case title to the Goods shall pass to the Buyer at the time specified in clause 6.4.
- 6.3 Until title to the Goods has passed to the Buyer, the Buyer shall:
- (a) store the Goods separately from all other goods held by the Buyer so that they remain readily identifiable as the Seller's property;
- (b) not remove, deface or obscure any identifying mark or packaging on or relating to the Goods;
- (c) maintain the Goods in satisfactory condition and keep them insured against all risks for their full price from the date of delivery;
- (d) notify the Seller immediately if it becomes subject to any of the events listed in clause 13.1;
- (e) give the Seller such information relating to the Goods as the Seller may require from time to time; and
- (f) not pledge or in any way charge by way of security for any indebtedness any of the Goods.
- 6.4 Subject to clause 6.5, the Buyer may resell or use the Goods in the ordinary course of its business (but not otherwise) before the Seller receives payment for the Goods. However, if the Buyer resells the Goods before that time:
- (a) it does so as principal and not as the Seller's agent; and
- (b) title to the Goods shall pass from the Seller to the Buyer immediately before the time at which resale by the Buyer occurs.
- 6.5 If before title to the Goods passes to the Buyer the Buyer becomes subject to any of the events listed in clause 13.1, then, without limiting any other right or remedy the Seller may have:
- (a) the Buyer's right to resell the Goods or use them in the ordinary course of its business ceases immediately; and
- (b) the Seller may at any time:
- (i) require the Buyer to deliver up all Goods in its possession which have not been resold, or irrevocably incorporated into another product; and
- (ii) if the Buyer fails to do so promptly, enter any premises of the Buyer or of any third party where the Goods are stored in order to recover them.

7. PRICE

- 7.1 The price for the Goods shall be the price specified by the Seller in the quotation or, if no price is quoted, the price set out in the Seller's published price list in force as at the date of delivery.
- 7.2 Unless otherwise agreed in writing, the price of the Goods is exclusive of the costs and charges of packaging, insurance and transport of the Goods, which shall be invoiced to the Buyer as an Additional Charge.
- 7.3 The price of the Goods and any Additional Charges are exclusive of amounts in respect of value added tax (VAT). The Buyer shall, on receipt of a valid VAT invoice from the Seller, pay to the Seller such additional amounts in respect of VAT as are chargeable on the supply of the Goods.
- 7.4 The Seller may, by giving notice to the Buyer at any time before delivery, increase the price of the Goods to reflect any increase in the cost of the Goods that is due to:
- (a) any factor beyond the Seller's control (including foreign exchange fluctuations, increases in taxes and duties, and increases in labour, materials and other manufacturing costs);
 - (b) any request by the Buyer to change the delivery date(s), quantities or types of Goods ordered, or the Specification; or
 - (c) any delay caused by any instructions of the Buyer or failure of the Buyer to give the Seller adequate or accurate information or instructions.

8. PAYMENT

- 8.1 The Seller shall be entitled to invoice the Buyer for price of the Goods and any Additional Charges on or at any time before dispatch of the Goods or any instalment thereof. In the event that any Additional Charges arise following the issue by the Seller of the invoice, the Seller shall be entitled to invoice the Buyer as and when the Additional Charges arise.
- 8.2 Unless otherwise agreed in writing, the Buyer shall pay the invoice in full and in cleared funds by the date specified in the invoice or where no date or time frame is specified within 30 calendar days of the date of the invoice. Payment shall be made to the bank account nominated in writing by the Seller. Time of payment is of the essence.
- 8.3 The Buyer shall make payment for the price of the Goods in Sterling (euros) unless agreed otherwise in writing. Any payment received by the Seller in any other currency will not be deemed to be payment for the Goods in question. Where the Buyer makes payment for the Goods by cheque the Seller reserves the right to charge a surcharge of £10.00 in the event that any cheque rendered in payment of the Seller's invoices initially refused.
- 8.4 If the Buyer fails to make payment due to the Seller under the Contract by the due date for payment then, without prejudice to any other right or remedy available to the Seller:
- (a) all invoices issued to the Buyer by the Seller in respect of any Goods sold or supplied pursuant to the Contract or any goods sold or supplied pursuant to any other contract shall immediately fall due for payment;
 - (b) any credit, settlement terms, supply of goods or discount rates offered or extended by the Seller to the Buyer in respect of the same shall be cancelled immediately;
 - (c) the Buyer shall pay interest on the overdue amount at the rate of 10% per annum above Seller's bank's base rate from time to time. Such interest shall accrue on a daily basis from the due date until actual payment of the overdue amount, whether before or after judgment. The Buyer shall pay the interest together with the overdue amount; and
 - (d) the Seller shall be entitled to suspend any further deliveries of any Goods or goods agreed to be sold by the Seller to the Buyer or any instalment thereof (being the subject of the Contract or any other contract).
- 8.5 The Buyer shall pay all amounts due under the Contract in full without any set-off, counterclaim, deduction or withholding (except for any deduction or withholding required by law). The Seller may at any time, without limiting any other rights or remedies it may have, set off any amount owing to it by the Buyer against any amount payable by the Seller to the Buyer.

9. WARRANTY

- 9.1 The Seller warrants that:
- (a) the Goods will correspond with the Seller's specification for them on delivery;
 - (b) the Goods (except those wear items that are listed in the Seller's guide entitled "Operations Guide Relating to the Goods" as notified to the Buyer and as amended from time to time) manufactured by the Seller or its Group, will be free from material defects for 3 years from the Delivery Date; and
 - (c) where the seller is supplying goods from other manufacturers; their standard recommended warranty will apply.
- 9.2 Subject to clause 9.3, if:
- (a) the Buyer gives notice in writing to the Seller immediately on discovery but in any event within 14 days of discovery that some or all of the Goods do not comply with the warranty set out in clause 9.1;
 - (b) the Seller is given a reasonable opportunity of examining such Goods; and
 - (c) the Buyer (if asked to do so by the Seller) returns such Goods to the Seller's place of business at the Buyer's cost, the Seller shall, at its option, repair or replace the defective Goods, or refund the price of the defective Goods in full.
- 9.3 The Seller shall not be liable for Goods' failure to comply with the warranty set out in clause 9.1 in any of the following events:
- (a) the Buyer makes any further use of such Goods after giving notice in accordance with clause 9.2;
 - (b) the defect arises because the Buyer failed to follow the Seller's oral or written instructions as to the storage, commissioning, installation, use and maintenance of the Goods or (if there are none) good trade practice regarding the same;
 - (c) the defect arises as a result of the Seller following any drawing, design or Specification supplied by the Buyer;
 - (d) the Buyer alters or repairs such Goods without the written consent of the Seller;
 - (e) the defect arises as a result of fair wear and tear, wilful damage, negligence, or abnormal storage or working conditions; or
 - (f) the Goods differ from their description specification as a result of changes made to ensure they comply with applicable statutory or regulatory requirements.
- 9.4 Except as provided in this clause 9, the Seller shall have no liability to the Buyer in respect of the Goods' failure to comply with the warranty set out in clause 9.
- 9.5 The terms implied by sections 13 to 15 of the Sale of Goods Act 1979 are, to the fullest extent permitted by law, excluded from the Contract.
- 9.6 These Conditions shall apply to any repaired or replacement Goods supplied by the Seller.

10. LIABILITY

- 10.1 Nothing in these Conditions shall limit or exclude the Seller's liability for:
- (a) death or personal injury caused by its negligence, or the negligence of its employees, agents or subcontractors (as applicable);
 - (b) fraud or fraudulent misrepresentation;
 - (c) breach of the terms implied by section 12 of the Sale of Goods Act 1979;
 - (d) defective products under the Consumer Protection Act 1987; or
 - (e) any matter in respect of which it would be unlawful for the Seller to exclude or restrict liability.

10.2 Subject to clause 10.1:

- (a) the Seller shall under no circumstances whatever be liable to the Buyer, whether in contract, tort (including negligence), breach of statutory duty, or otherwise, for any loss of profit, goodwill or any indirect or consequential loss arising under or in connection with the Contract; and
- (b) the Seller's total liability to the Buyer in respect of all other losses arising under or in connection with the Contract, whether in contract, tort (including negligence), breach of statutory duty, or otherwise, shall in no circumstances exceed 100% of price of the Goods.

11. FORCE MAJEURE

- 11.1 The Seller shall not be liable to the Buyer nor be deemed to be in breach of Contract by reason of any delay in performing, or any failure to perform, any of the Seller's obligations in relation to the Contract if the delay or failure was due to a Force Majeure Event. The following shall (without limitation) be regarded as Force Majeure Event:
- (a) act of God, explosion, flood, tempest, fire or accident;
 - (b) war or threat of war, sabotage, insurrection, terrorism, civil disturbance or requisition;
 - (c) acts, restrictions, regulations, bye-laws, prohibitions or measures of any kind on the part of any governmental, parliamentary or local authority;
 - (d) import or export regulations or embargoes;
 - (e) strikes, lock-outs or other industrial actions or trade disputes (whether involving employees of the Seller or of a third party);
 - (f) difficulties in obtaining raw materials, labour, fuel, parts or machinery; and
 - (g) power failure or breakdown in machinery.

12. INTELLECTUAL PROPERTY

- 12.1 All specifications, drawings, designs and technical description, and all documents and information and "know-how" whatsoever supplied by the Seller to the Buyer is as between the Seller and the Buyer the Seller's intellectual property and shall at all times be treated by the Buyer as confidential and shall not without the prior written consent of the Seller be used by the Buyer except for the purposes of the Contract.
- 12.2 The Buyer will indemnify the Seller against all actions claims demands costs charges, penalties, royalties and expenses arising directly or indirectly or incurred by reason of any infringement or alleged infringement of or any right attributable to any letters patent, registered design trade mark, trade name, copyright or proprietary right arising from the use of any instructions, specifications or designs whether express or implied supplied by the Buyer to the Seller.

13. INSOLVENCY OF BUYER

- 13.1 This Condition applies if:
- (a) the Buyer makes any voluntary arrangement with its creditors or (being an individual or firm) becomes bankrupt or (being a company) becomes subject to an administration order or goes into liquidation (otherwise than for the purposes of amalgamation or reconstruction); or
 - (b) an encumbrancer takes possession or a receiver is appointed, of any of the property or assets of the Buyer; or
 - (c) the Buyer ceases, or threatens to cease, to carry on business; or
 - (d) the Seller reasonably apprehends that any of the events mentioned above is about to occur in relation to the Buyer and notifies the Buyer accordingly.
- 13.2 If this Condition applies then, without prejudice to any other right or remedy available to the Seller, the Seller shall be entitled to terminate the Contract with immediate effect by giving written notice to the Buyer and/or suspend any further deliveries under the Contract without any liability to the Buyer, and if the Goods have been delivered but not paid for, all of the Seller's outstanding invoices to the Buyer become immediately due and payable notwithstanding any previous agreement or arrangement to the contrary.
- 13.3 Termination of the Contract, however arising, shall not affect any of the parties' rights, remedies, obligations and liabilities that have accrued as at termination.

14. GENERAL

- 14.1 Notices. Any notice required or permitted to be given by either party to the other under these Conditions shall be in writing addressed to that other party at his registered office or principal place of business or such other address as may at the relevant time have been notified pursuant to this provision to the party giving the notice.
- 14.2 Severance. If any provision of these Conditions is held by any competent authority to be invalid or unenforceable in whole or in part the validity of the other provisions of these Conditions shall remain in full force and effect.
- 14.3 Waiver. No waiver by the Seller of any breach of the Contract by the Buyer shall be considered as a waiver of any subsequent breach of the same or any other provision.
- 14.4 Third party rights. A person who is not a party to the Contract shall not have any rights to enforce its terms.
- 14.5 Variation. No variation of these Conditions may be given by any of the Seller's employees unless confirmed in writing by an authorised director of the Seller and no collateral or supplemental contract may be made or construed unless confirmed in writing by an authorised director of the Seller on the Seller's official stationery.
- 14.6 Entire Agreement. The Buyer acknowledges that it has not relied on any statement, promise, representation, assurance or warranty made or given by or on behalf of the Seller which is not set out in the Contract.
- 14.7 Governing law and jurisdiction. The Contract shall be governed by the laws of England, and the Buyer agrees to submit to the non-exclusive jurisdiction of the English courts.

15. SPECIFICATIONS AND INSTRUCTIONS

- 15.1 Unless the Seller agrees otherwise, only the specifications referred to in the quotation shall form part of the Contract.
- 15.2 The Seller reserves the right subject to giving prior written notice to the Buyer to modify the said specifications where the Goods cannot in the opinion of the Seller be manufactured according to the said specifications and the Buyer agrees to accept the Goods as manufactured according to the specifications so modified in satisfaction of the Sellers obligations as to manufacture of the Goods under the contracts.
- 15.3 App Based Goods – the Buyer shall ensure that prior to supplying any app based goods to any customer it shall include within its customer terms and conditions for supply of the App based Goods a requirement for the customer to have read, understood and agreed to the app terms and conditions for the Goods prior to completion of purchase of the Goods. Where such Goods are supplied or installed by a third party for and/or on behalf of the Buyer the Buyer shall ensure that such installer also complies with this clause 10.3 by including this provision in its contract with the installer.



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