2-Wire Video System

Installation Manual

ATIGO

Introduction

The Atigo door entry system is a 2-Wire system that can be expanded up to 4 entrance panels and up to 32 non-Wi-Fi internal monitors per system.

For programming camera module use built in set of DIP switches and touch keys.

The camera module has built in visual and audible status indictors as well as white LED for night view.

Installation Notes:

Wire up the system in accordance with the Wiring diagram supplied.

Make sure A2300 is installed next to the Power supply when installing multiple Entrances.

Set each Door Station ID as per instructions on **Page 3**

Addressing new handsets without DIP switches

Set the address for these handsets by following instructions below.

- Power off system for 30 seconds.
- Power on system
- Hold lock button down for 5 seconds until  or  flashes then release.
- Handset is now in listening mode.
- Press the corresponding flat number on panel (You have 2 min. to complete this process. Handset will revert to standard mode after that.)
- Answer and end call from Flat

The handset is now programmed to the Flat number pressed.

System Layout:

Maximum of 4 monitors can be addressed to a single call button.

Maximum of 4 monitors can be connected in daisy chain configuration

Maximum of 4 monitors can be connected to a single A2200 in distributor mode (DIP switch 1 OFF on A2200)

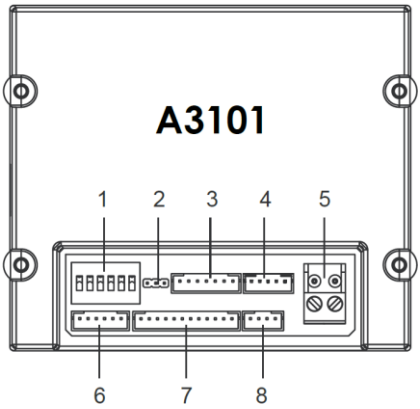
Maximum of 4 A2200 units can be connected to single A2200 in raiser mode (DIP switch 1 ON on A2200)

Maximum of 32 non-Wi-Fi monitors can be connected in any given system.

Maximum of 4 A1714 monitors can be connected to a system powered by A2102 Power supply.

Maximum of 8 A1714 monitors can be connected to a system powered by A2101 Power supply.

Video camera module A3101



1. SET

DIP switches for system configuration.

2. JP-LK

Jumper for setting state of the **NO** contact

3. CN/KMB

Call button module A2400 connection port

4. CN/T-COIL

Not in use

5. BUS

L1, L2 bus line connecting to terminal BUS(DS) on the power supply

6. CN-LK

+12V	12VDC power output.
LK-	Power ground.
LK+	Common contact of the relay.
NO	Normally open/closed contact (use JP-LK jumper to set)
EB+	Exit button connection port.
EB-	Exit button connection port.

7. CN/FUN

Not in use

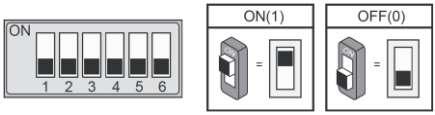
8. CN/WGN

Not in use

DIP switch settings for A3101

The video module is configured by 6 DIP switches.

The DIP switches can be modified either before or after installation. Restarting the camera module is necessary whenever the DIP switches have been modified.



DIP switches 1 and 2 are for addressing door stations.

When multiple door stations are installed on the system, these two DIP switches must be set correctly.

Door station DIP switch setting:

No.1 = **00** (Default setting)

No.2 = **10**

No.3 = **01**

No.4 = **11**

DIP switch 3 needs to be set to 0 for mechanical call button operation.

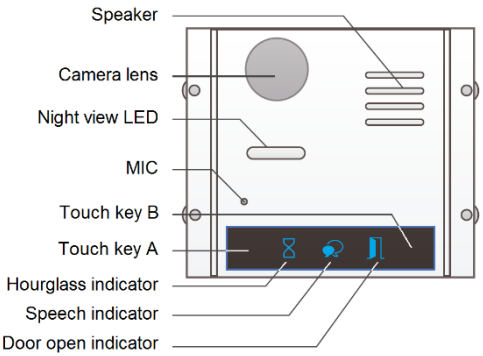
DIP switch 4 is for call button automatic allocation. Call buttons are automatically assigned to the indoor unit according to the Namelist file programmed on the Video module. The default setting for this DIP switch is 0.

DIP switch 5 is for setting door unlock time. 0 is the default setting for one second delay and 1 is the setting for programmed delay. The default programmed delay is 5 seconds.

DIP switch 6 is for entering programming mode and activating keys A and B which are used for programming camera module functions.

The default setting for this DIP switch is 0.

Video module functions and programming



Restore factory settings.

With **Camera Module** in standby, short out the Exit Button Ports (EB+ and EB-) and toggle ON DIP switch 6 four times.

A long Beep will sound, and all three indicators will turn on at the same time meaning the **Restore Factory Settings** is in progress.

Once the three Indicators turn off with a warning sound of a long Beep, it means the **Restore Factory Settings** is complete.

Activate Programming mode and touch keys, A and B

Touch key A and touch key B cannot be used on the camera module until activated.

To activate the keys and set the unit to programming mode, follow these steps:

- With power OFF, set all DIP switches to OFF position.
- Power on the unit
- Set DIP switch 6 to ON position

When programming is finished, set DIP switch 6 back to OFF position and cycle power.

Sound theme settings.

In Standby, activate programming mode by setting DIP switch 6 to ON position.

1. Press and hold “Touch Key A” for 3 seconds.
2. The **hourglass indicator** will turn on and current theme will play.
3. pressing “Touch key A” again will cycle to the next theme.
4. Wait 10 seconds for Display to disappear or press “Touch key B” to exit.

Set DIP switch 6 to OFF position.

Tone volume settings.

In Standby, activate programming mode by setting DIP switch 6 to ON position.

1. Press “Touch key B” to enter Tone Volume Setting. The **hourglass indicator** will turn on and play the sound at the current volume.
2. Press “Touch key A” to increase the volume (loop setting).
3. Wait 10 seconds for **hourglass indicator** to disappear or press “Touch key B” to exit.

Set Dip switch 6 to OFF position.

Talk volume settings.

1. During the conversation, press “Touch key B” for 3 seconds
   The **speech indicator** will turn on with a message saying “Volume testing”.
2. Press “Touch key A” to increase the volume (loop setting).
3. Wait 10 seconds for **speech indicator** to disappear or press “Touch key B” to exit.

Electric lock mode settings

In Standby, activate programming mode by setting DIP switch 6 to ON position.

Fail Safe

1. Press “Touch key A”, the **Door Open Indicator** will turn on with a long Beep followed by a short Beep!
2. Press “Touch key A” again to select **Fail Safe (Double Beep).**

Fail Secure

1. Press “Touch key A”, the **Door Open Indicator** will turn on with a long Beep followed by a short Beep!
2. Press “Touch key A” again to select **Fail Secure (Single Long Beep).**

If Door open indicator is lit and you don’t want to make any changes, then you can press B to exit.

Set DIP switch 6 to OFF position.

Lock time delay setting

In Standby, activate programming mode by setting DIP switch 6 to ON position.

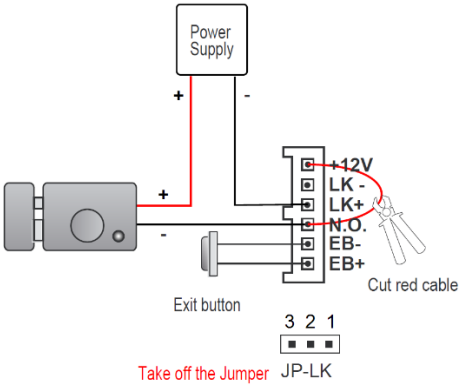
1. Press “Touch key A”. The **Door open indicator** turns on with the warning sound of a long Beep followed by a short Beep.
2. Press and hold “Touch key B”
   Release “Touch key B” when desired number of seconds is set (beeps heard).
   1 Beep = 1 Second delay
3. Set DIP switch 6 to OFF position
4. Set DIP switch 5 to ON position to activate programmed time delay.

Set DIP switch 6 to OFF position.

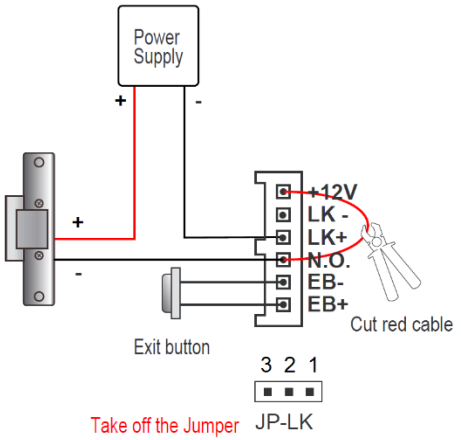
Electric lock with additional power supply.

1. Contact rating is limited to **24V DC and MAXIMUM CURRENT of 1000mA.**
2. The jumper **JP-LK** must be taken off before connecting.
3. Set electric lock mode using touch keys A and B

Fail Locked Lock Mode = 0 (default)



Fail Unlocked Lock Mode = 1



Electric lock powered by internal 12V DC output.

Internal output is limited to **12V DC and MAXIMUM CURRENT of 200 mA.**

Jumper setting **JP-LK:**

1-2 Normally Closed (Fail Unlocked)

2-3 Normally Open (Fail Locked)

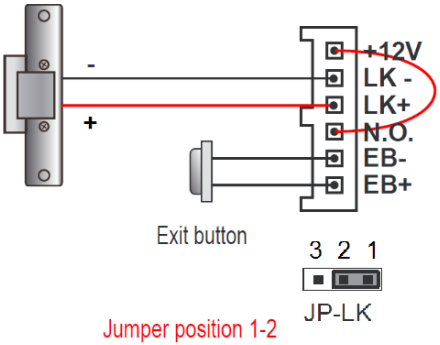
Triggering a Gate automation:

When triggering a gate, must use A2601 auxiliary relay.

NOTE: Do not connect Gate contacts to Video module as this will cause permanent module damage.

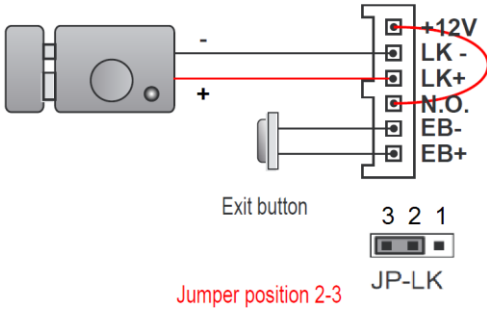
Normally Closed (Fail Unlocked)

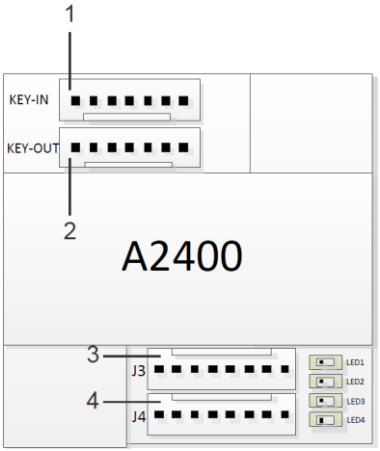
12V DC **200mA MAX**



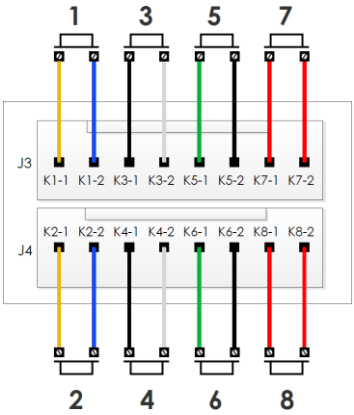
Normally Open (Fail Locked)

12V DC **200mA MAX**





Single module connections



Terminals

1. INPUT

Connect to **CN/KMB** port video module

2. OUTPUT

Connect to next call module.

3. J3

Call buttons 1, 3, 5, 7

4. J4

Call buttons 2, 4, 6, 8

Connecting multiple modules (Max. 4)