

Important Safety Information

The **Power Supply Unit** must be placed in a protected indoor environment such as an electrical cupboard, close to a 240V AC electrical supply and located close to the entrance panel. It must be wall-mounted onto plasterboard, wood or a similar non-conductive material.

Connections to the 240V AC mains supply must be carried out by a qualified electrician or similar competent person, and made in accordance with accepted safety practices. A two-pole switch (as provided by a Consumer Unit or Switch-Fuse) must be included to isolate both Live and Neutral during Installation or Maintenance. The transformer is protected by fuses; always replace these with the correct type and rating.

Use only mains cable to BS6004 or equivalent, within the following specified limits:

Conductor Diameter:	Min. 1.0mm (0.8mm ²)	Max. 2.25mm (4mm ²)
Cable Diameter:	Min. 4.0mm	Max. 8.0mm

The **Door Entry Telephone** is designed to be wall-mounted in a convenient indoor location.

The **Entrance panel**, containing the speech unit, is available with either a surface or flush-mounting back box. Normally this would be mounted on an outside wall near the front door, and if possible in a sheltered location.

The **Model 203 Electric Lock Release** is designed for use on an inward opening door fitted with a surface night-latch type lock. This should be installed with a small amount of play on the door as operation will be impaired if too tight.

Tradesman button (optional): This is used in conjunction with a time-clock to allow tradesmen access during restricted hours.

Cable requirements: For optimum speech clarity, it is strongly recommended that this system is installed using twisted-pair telephone cable (eg type CW1308 or CAT5 UTP). Use one of the pairs for the R & O connections between the speech unit and the telephone. Avoid routing cable which would cause water/rain entering the Entrance Panel.

Installation: Connect all items by following the diagram overleaf. It is strongly recommended that a single telephone be connected at a time and fully tested before proceeding to the next.

Speech adjustment: The speech unit has two controls at the rear for adjustment of speech levels:

Volume A:	Speech level at the Entrance Panel
Volume B:	Speech level at the Telephone

If feedback is experienced (a howl or whistle) turn both controls to 'off' and then slowly adjust each up in turn until a satisfactory level of speech is attained.

Troubleshooting: No speech/ insufficient speech: Initially establish correct operation of the Speech Unit by disconnecting all telephones and re-connecting a single telephone with a short length of cable (I R O T V only); Reconnect the telephones one at a time until the fault re-appears. Note the phone must be rung for speech to work.



Standards:
89/336/EEC
72/23/EEC
BSEN50081-1
BSEN50082-1
BSEN60950

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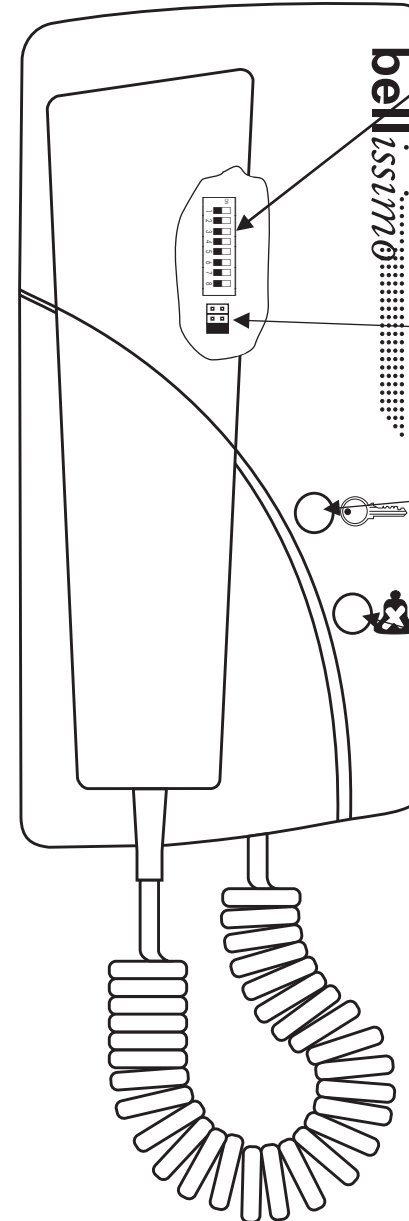
BS EN ISO 9001:2000 Certificate no. GB2000389

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BS-LX 12V DC Audio Phone

DIP Switch Settings

Ring Type(1)		Ringer Mute Times(5,6,7,8)	
Min. Period	Short	No Mute	1 hour
N/C	N/O	2 mins	2 hour
5 mins	10 mins	4 hour	5 hour
15 mins	20 mins	6 hour	8 hour
30 mins	45 mins	10 hour	Toggle
1S	3S	5S	10S



Ring Volume (3 Levels)

Unlock button
and Door Status Indicator
(green)

Buzzer Mute button
and Ring Status Indicator
(red)

Compatible with*
500X, 500PX, 500XT,
500LX, 500PLX, 500PLXT
Phones

*Assumes recommended cable type and distances.

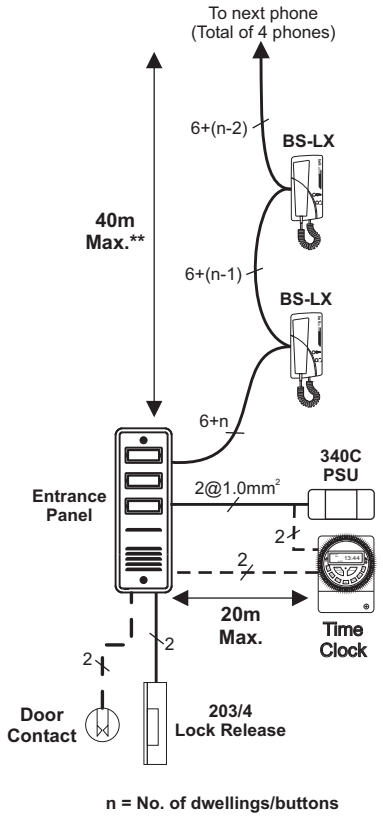
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system

PD-123 Issue 1

Typical Cabling Overview

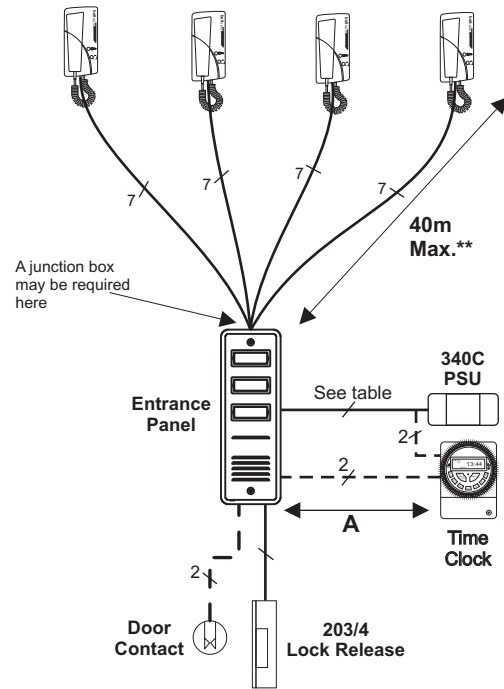
Daisychain Cabling Option

Note : Only recommended for systems up to 4 phones



BS-LX Specification	
Operating Voltage	8V DC - 15V DC
Idle Current (Max)	26mA
Max. Current (Ringing)	140mA
Max. Lock Current	1A

Star Cabling Option



No. of Phones (Max)	A	No. of Cores	Cable Size
1	5m	2	0.5mm
1	20m	2	1.0mm ²
20	5m	2	1.0mm ²
21-40***	5m	2	1.0mm ²

** For 80m double up on all cores (14 per phone)
 *** Requires a PS4 power supply instead of 340C

Note

0.5mm - 0.5mm diameter twisted-pair cable, e.g. CW1308 or CAT5/5e UTP.

1.0mm² - 1.0mm² Twin Flex or Twin and Earth

Typical Wiring

