



CD-LX1/MD181

User Guide

Rev: 1.0.2436.2

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Installation & Setup

- 1 Mount the CD-LX1/MD181 at the lift controller.
- 2 Refer to the EM-181/S & SK Installation Diagrams to prepare the wiring for the StationBus terminals.



Check station wiring & ensure each station has a unique DIP switch setting for its respective location before connecting to master controller.

- 3 Wire the CAT6 (Ethernet & Power) cable from the CD-LX1/M5L Battery Backed up Networking Hub into the Ethernet and Power connector, as referenced on the wiring diagram (back page)



Please reference the CD-LX1/M5L Hub User Guide for correct wiring at the terminal plug before proceeding.

- 4 Once wiring is confirmed at both ends, connect to power up the master controller which will then proceed to establish an ethernet link and perform a StationBus system scan for connected Intercom Stations.
- 5 The status LED will blink blue indicating no cable faults.
- 6 Test calls between connected LX/SK intercom station using the (i) Page ALL button can be made to ensure the StationBus is operational.
- 7 Incoming & Outgoing test calls can be made once all other LX1 system peripherals are installed to the central calling point Eg. Console or an active FXS line has been provisioned at the CD-LX1/T2 FXO Interface (installed at the CD-LX1/M5L Hub).

Specifications

Operating Voltage	12 - 24V DC
Operating Current	50mA (Idle), 75mA (Active) (excluding connected intercom stations)
Configuration	On-Device HTTP Webserver
Ethernet	10BASE-T
Protocol	Pixel VoIP with DTMF over IP
StationBus	4-wire, Up to 400m (max), 8 Station(max)
Status Indication	Status (RGB LED)
Voice ID Message	16 seconds (max)
Inputs	Opto-isolated, 24V DC(max)
Output	Relay (N/O), 30V, 1A (max)
Operating Temperature	0 - 50°C
Operating Humidity	90% max relative humidity, noncondensing
Mounting	DIN Rail or Wall Mount
Dimensions (mm)	106.6(W) x 102(H) x 32.5(D) (with DIN Rail)

Ethernet & Power Connectivity

Web Server Access & Network Connectivity

V+	Blue & Blue/White		
0V	Brown & Brown/White		
RX+	Orange/White		
RX-	Orange		
TX+	Green/White		
TX-	Green		

CAT6 Wiring Colour Code (TIA/EIA 568A)

I/O Interface

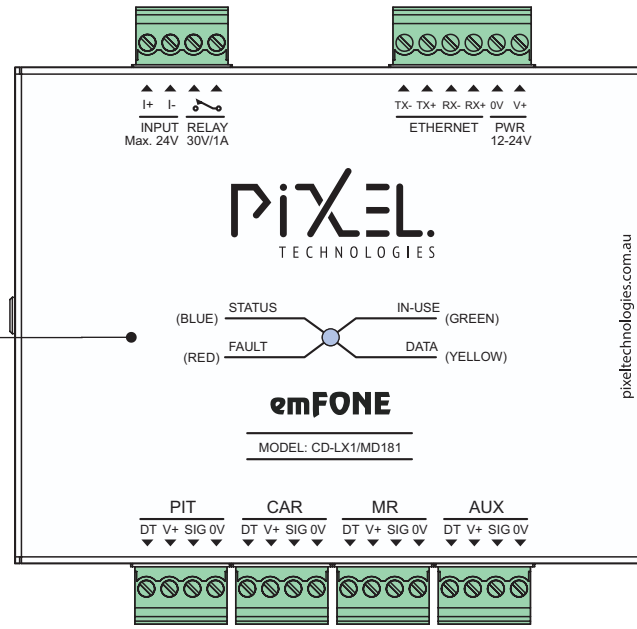
Relay Output (N/O): Closed when any of the connected stations has initiated an alarm Call and the call has been answered.

Opto-Isolated Input: *Reserved for future use*

LED Indication

Status (Blue)		Idle
In-Use (Green)		In-Use
Fault (Red)		Station/Ethernet

1 Second



StationBus

Interface to EM-181/SK and EM-181/SK lift intercom stations

Data & V+

Keep away from high voltage wiring & DC & VF drives

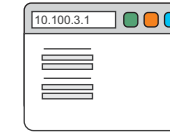


Signal & 0V+ (Shield)

For improved noise immunity

Recommended Cabling:
20AWG/0.5mm² STP
Belden 9402 or equivalent

Configurable Settings via Webserver



To access the device Webserver enter the device IP address into the URL address bar of your web browser
Factory Default IP: 10.100.3.1

i If the unit has been pre-programmed for a project the IP address can be found on the device.

Station Alarm Debounce Time: Sets the Alarm button time for lift intercom station.
Range: 0-9 seconds (Default: 3 seconds)

Talk Time: Maximum talk time duration of an incoming or outgoing call.
Range: 2-18 minutes (Default: 4 minutes)

Voice Identification Message: Location ID message plays upon answering a call.
Default: Enabled (Plays when alarm call answered via CD-LX1/T2 FXO Interface)

Station Alarm Log: When enabled the Alarm Log LED at ALL stations will remain ON
Please refer to the EM-181/SK User Guide to reset Alarm Log. (Default: Disabled)

MR Ring: The EM-181/SK (MR) intercom station will ring when an alarm call from any lift Intercom station connected to the master controller StationBus is raised. (Default: Disabled)

Station Networking Names: Each connected intercom Station MUST have a unique network name identifier and Remote DTMF ID number. The remote DTMF ID numbers are used for Paging any intercom station connected to the network via the Console or when Dialling in externally via the CD-LX1/T2 FXO interface.

Lift Index: ID used to announce the Lift name along with the Voice Identification message upon answering a call. (Supports 2 character Alphanumeric lift names)

Ethernet: Each device on a network MUST have a unique IP address.

Alarm Destinations: For projects with multiple Console call points, individual Consoles names are defined here. Eg. SECURITY CONSOLE, CONCIERGE CONSOLE
This listing allows for selection within the 'Alarm Call List' settings.
Default: CONSOLE

Alarm Call List: Alarm calls are routed to call point devices in the 'Call List' for a set 'Dial Time' period until a call is answered, if unanswered the call will proceed to the next device in the list.

Default Call List: **1.** Console [15 sec], **2.** PSTN (All Numbers) [90 sec]

Please reference the CD-LX1/T2 User Guide for further details on 'Help Numbers'.

Alarm List Cycle Count: Can be set to cycle through the Call List multiple times until a call is answered. (Default: 1 cycle)



SCAN ME
To access product page on your tablet or smart phone

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	Installation & Setup Overview		
Designed By: D.H	Revision: 1.0.2436.2	Sheet: 1/1	