

## EM-181Mu

**User Guide** 

Rev: 3.0.2438.0

### Description



The EM-181Mu master controller serves as the core component for your emergency elevator communication system and engineered to comply with the EN-81-28 standard. Providing robust and reliable voice communication to connected intercom stations, making it the ideal solution for emergency voice communication in single elevator installs. Featuring a wide array of configurable options, compatible with Pixel's eLiioT Cloud monitoring solution and the P100 Protocol.

#### Features:

- EN-81-28 compliant
- Built in Battery Backup
- RGB LED System Status Indication
- Local Intercom Paging
- Programmable I/O Interface
- Remote (DTMF) & Local (SD Card) Programmable
- Robust 4-wire Lift Intercom Station Bus Connectivity
- Eight Programmable Emergency Help Numbers
- FXO Analogue Phone Line interface
- Advanced System and Telephone Programming Options
- 16 Second Voice Storage for Location Identification Message
- eLiioT Cloud Monitoring & P100 Protocol Support
- emPOWER Station Bus Interface Support



### Installation & Setup

- 1 Mount the EM-181Mu using the DIN Rail mounting clip
- Referencing the Installation Diagram (back page), connect the:
  - Telephone line to Phone Line input
  - Power supply to the DC IN input

Once powered the status LED will blink BLUE indicating both power and a telephone line is connected.

- 3 Dial into the phone line number connected to the unit.
- Program the emergency help number by entering;



Default System PIN: 123

To verify, enter \* 0

5 Record a Voice Location ID message by entering;

# PIN # 9 after 2 beeps, begin recording

To end recording press 0

To playback recorded message, enter 😤 9

- Alternatively you can program a voice location ID message via an EM-181/SK. Please scan the QR code on the back page and refer to the Advanced programming Guide for further details.
- Finalize the connections for your intercom stations. Refer to the EM-181/S and EM-181/SK Installation Diagrams to determine each station ID, set up the wiring, and complete the system installation.

⚠ Check station wiring before connecting to EM-181Mu

Once all stations are connected back to the EM-181Mu, incoming & outgoing test calls can be made to ensure all devices are setup and operational.

# Specifications

Operating Voltage	18 - 24V DC (max)
Operating Current	Idle: 50mA, Charging: 200mA (max)
Inputs	Dry Contact, Active Low (ON)
Output	Open Collector, 24V @ 50mA (max)
Station Bus	4-wire, up to 400m (max)
Status Indication	Status (RGB LED)
Voice ID Message	16 seconds (max)
Battery Type	12V 0.9Ah Ni-MH
Battery Runtime	4 Hours (Standby)
(4 Station Install)	2 Hours (Talk Time)
FXO Interface	24 - 50V DC, 3kV Isolated, Analogue Line
Operating Temperature	0 - 50°C
Operating Humidity	90% max relative humidity, noncondensing
Mounting	DIN Rail
Dimensions (mm)	88(W) x 118.8(H) x 42.5(D) (with DIN Rail)



