

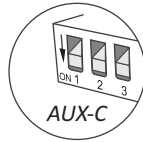
DIP Switch

The unit provides DIP switch selectable programming as follows:

Station ID

| DIPS | 1 | 2 | 3 |
|-------|----|----|----|
| AUX-C | ON | ON | ON |

Factory Default: AUX-C



Speaker Volume

| DIPS | 4 | 5 | 6 |
|------|-----|-----|-----|
| LOW | ON | OFF | OFF |
| MID | OFF | ON | OFF |
| HIGH | OFF | OFF | ON |
| MAX | OFF | OFF | OFF |

Factory Default: Max

Microphone Level

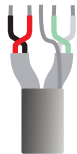
| DIPS | 7 | 8 |
|------|-----|-----|
| LOW | ON | ON |
| MID | ON | OFF |
| HIGH | OFF | ON |
| MAX | OFF | OFF |

Factory Default: High

Fire Evacuation Station Bus (400m max)

Interface from EM-181/FM (Master Controller)

Data & V+



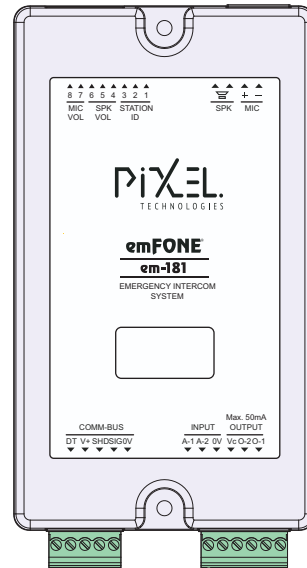
(Shield) + Signal & 0V

For improved noise immunity



Keep away from high voltage wiring & DC & VF drives

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



DT V+ SHD SIG 0V

FSAL Call Button

Press to call the EM-181/FM Fire Evac Master controller.



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

Installation & Setup

- 1 Prepare the Fire Evac Station Bus wiring to each level.
- 2 When mounting the FS Station to a panel ensure the speaker & microphone are centred with the panel cutouts. This will provide the best possible acoustic coupling and optimum speaker phone performance.
- 3 Wire up the FSAL Call Button to AL-1 and 0V (Dry Contact)
- 4 Before powering each station ensure dipswitch is set to AUX-C
 - ⚠ Check station wiring before connecting to the Fire Evac Bus
- 5 Connect the unit to the Fire Station Bus.
 - ⚠ Do NOT connect more than one EM-181/FS station the FM Station Bus as each unit must be addressed to have a unique network name.
- 6 Upon power up you will hear 4 beeps and the unit will announce AUX-C.
- 7 Follow steps in the EM-181/FM **Operation Instructions** to configure a newly connected station.
- 8 The station is now ready for use.



Incoming & outgoing Calls can be made on the system.

| | |
|---------------------|--|
| Operating Voltage | 7V (min) -24V (max) |
| Current Consumption | Idle: 18mA On-Call: 110mA |
| Fire Station Bus | 4-wire, 400m (max), Up to 99 Stations |
| Alarm Button | Dry Contact |
| Speaker | 8Ω 1W, 80dB (425Hz) at 1m (Adjustable) |
| Microphone | 2K Impedance, Operating Range 5 metres |
| Operating Temp | 0 - 50 C |
| Operating Humidity | 90% relative humidity, non-condensing |
| Dimensions (mm) | 80(W) x 157(H) x 19.5(D) |

PIXEL
TECHNOLOGIES

| | | |
|----------------------|-------------------------|---------------|
| EM-181/FS | Date: | 03/05/23 |
| Installation Diagram | | |
| Designed By: D.H | Revision: 1.0.2318.0 | Sheet: 1/1 |