

DIP Switch

The unit provides DIP switch selectable programming as follows:

Station ID

DIPS	1	2	3
MR	OFF	OFF	OFF
TOP	OFF	OFF	ON
CAR	OFF	ON	OFF
PIT	OFF	ON	ON
SPARE	ON	OFF	OFF
AUX-A	ON	OFF	ON
AUX-B	ON	ON	OFF
AUX-C	ON	ON	ON

Factory Default: Car

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

Station Bus (400m max)

Interface from EM-181Mu (Master Controller)

Data & V+

(Shield) + Signal & 0V

For improved noise immunity

Keep away from high voltage wiring & DC & VF drives



Recommended Cabling: Shielded Twisted Pair Belden 8723 or equivalent

Supply Voltage (DC): 8V (min) after associated cable voltage drops - 24V (max)

Current Consumption: Idle: 18mA On-Call: 110mA

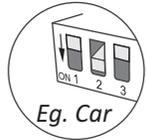
Microphone

Adjust level via DIP setting

Speaker

1W, 8 Ω, 80dB at 1m Adjustable Volume via DIP setting

External SPK & MIC EM-181/SLX only



Each station connected to the Station Bus must have a unique address.

Built-in LED Status Indicator

	Yellow	Green
Idle	OFF	OFF
Page	OFF	ON
Calling	ON	OFF
Speak	ON	ON

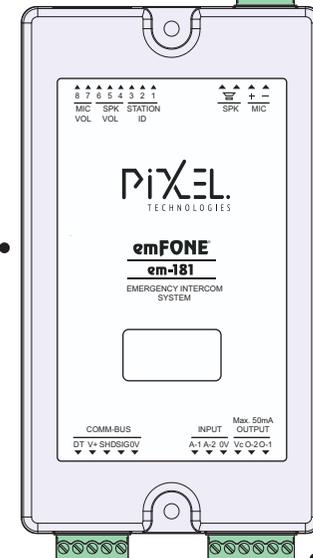
Alarm Logs

EN81-28:2018 compliant

All outgoing alarm calls are registered by the system.

The Alarm LED at the stations will remain ON to indicate an alarm had been made.

To RESET the Alarm Logs please reference the EM-181Mu User Guide.



Installation & Setup

- 1 Set the **unique** station ID using the DIP switch settings
- 2 Prepare the Station bus wiring, as detailed in the diagram below.
 - ⚠ Check station wiring before connecting to the EM-181Mu
- 3 Flush mount the EM-181/SL(X). Ensuring the speaker & microphone are centred with the COP cutouts. This will provide the best possible acoustic coupling and optimum speakerphone performance.
- 4 Wire up the Alarm Button and LED Pictograms. Refer to the I/O & Alarm Button Interface wiring below.
- 5 Connect the Station Bus to the unit.
- 6 Connect the remote end of the Station Bus to the EM-181Mu to power up the unit.
 - ⚠ Ensure all installation steps in EM-181Mu User Guide are complete.
- 7 Upon power up you will hear 4 beeps and the unit will announce the programmed Station ID.
- 8 The station is now ready for use.



Incoming & outgoing test calls can be made to ensure all devices are setup and operational.

I/O & Alarm Button Interface

Outputs (External LED's)

The system provides a +Vc LED supply, which is sourced from the EM-181Mu system supply voltage.

- Each output is capable of sinking 50mA each (max)
- External current limiting resistors can be used.
- In battery backup mode +Vc is sourced from the EM-181Mu internal 12V battery supply.

Inputs (Alarm Button & Alarm Filter)

Alarm Button: Press and HOLD to make an emergency call.
Factory Default: 3 seconds (Button Time)

Alarm Filter: When this Input is closed, the Alarm button will have an additional 3 seconds added to the button time period.

For additional operational modes, please reference Advanced Programming Guide for further details.

Operating Temp	0 - 50 C
Operating Humidity	90% relative humidity, non-condensing
Dimensions (mm)	80(W) x 157(H) x 19.5(D)

	EM-181/SL & SLX	Date:	19-07-21
	Installation Diagram		
Designed By:	Revision:	Sheet:	
D.H	1.0.2129.0	1/1	