| 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 |

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 EM-181Mu*

3 Mount the EM-181/SK using the mounting Bracket or DIN Rail mounting clip supplied.

4 Connect the Station Bus to the unit.

5 Connect the remote end of the Station Bus to the EM-181Mu to power up unit.
⚠ *Ensure all installation steps in EM-181Mu User Guide are complete.*

6 Upon power up you will hear 4 beeps, the LED will cycle through all colours and the unit will announce the programmed Station ID.

7 The station is now ready for use.

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

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

DT V+ SIG 0V

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

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

Microphone
Adjust level via DIP setting

LED Status Indicator

Blue	▓	Idle
Green	▓▓▓▓▓▓▓	On a Call
Yellow	▓░▓░▓░▓░	Outgoing Call

|← 5 Second →|

Button Interface

End a Call
Press to end a call

Alarm Call
Press to make an emergency alarm call
This will illuminate YELLOW when the unit is dialling out & on call.

Page ALL
Press to Page all stations
Press to Answer an Incoming Page & establish two way comms
This will illuminate GREEN when the unit is answered & on call.

Alarm Logs

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. EN81-28:2018 compliant

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

Press and hold the RED power button for 10 seconds to reset the Alarm Log at the MR unit ONLY.
The unit will announce 'Passed' once complete.

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: MR

Eg. Top
ON 1 2 3
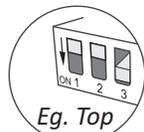
⚠ Each station connected to the Station Bus must have a unique address.

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+   Signal & 0V + (Shield)
For improved noise immunity

⚠ Keep away from high voltage wiring & DC & VF drives

Recommended Cabling:
Shielded Twisted Pair
Belden 8723 or equivalent
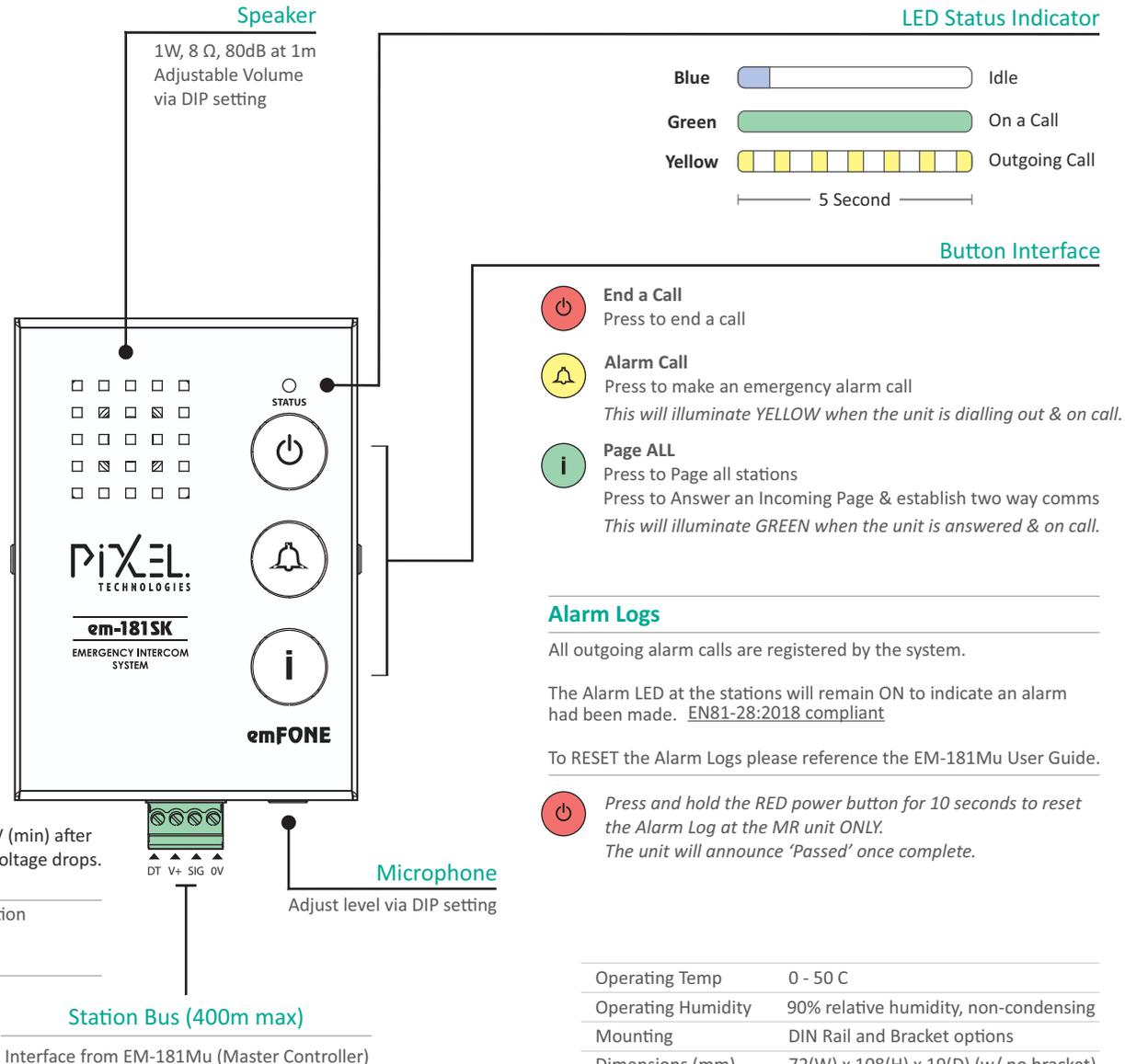
Operating Temp	0 - 50 C
Operating Humidity	90% relative humidity, non-condensing
Mounting	DIN Rail and Bracket options
Dimensions (mm)	72(W) x 108(H) x 19(D) (w/ no bracket)

Please visit
www.pixeltechnolgies.com.au
for warranty disclaimer, mechanical drawings and serviceable parts.

PIXEL. TECHNOLOGIES

EM-181/SK	Date:	16-07-21
Installation Diagram		
Designed By: D.H	Revision: 1.0.2128.0	Sheet: 1/1

STATUS

PiXEL. TECHNOLOGIES
em-181SK
EMERGENCY INTERCOM SYSTEM
emFONE