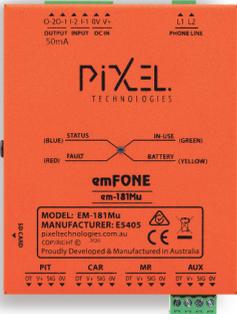# Compact in **size**, high on **quality**

em-181 Autodialler

- The quality you expect, at a surprisingly low price
- Full application with 4 way communication
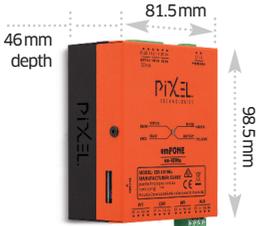- Compact design suitable for MRL installations
- Code compliance

tvc **Thames Valley Controls**

em-181 Autodialler

Compact in **size**, high on **quality!**

46mm depth
81.5mm
98.5mm

Master Unit

19.5mm depth
72mm
98.5mm
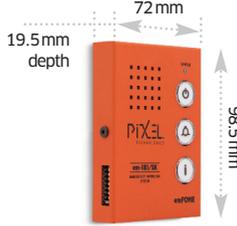
Motor Room Car Top / Car Pit Station SK

80mm
18.8mm depth
139mm
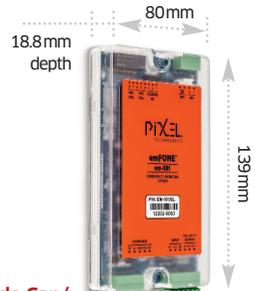
Inside Car / Landing Station SL

COMPACT & MODULAR DESIGN

With connection to up to 8 stations, the em-181 system allows both emergency and internal communications throughout the lift shaft.

The compact design is ideal for both conventional and MRL applications offering a high-quality solution for the motor room or MRL cabinet, the top of a car, in car and pit stations.

EASY CONNECTION & PROGRAMMING

The in-car station allows for a compact flush mount all-in-one design or external speaker and microphone mounting. All stations include additional I/O ports allowing a secure connection to other peripherals such as lift call buttons and LED call status notifications.

The robust industry-proven peer-to-peer single cable interface (Data & Power) allows fast and error-free connection up to 400 metres of cabling per lift without the loss of audio quality.

All programming functions and features are done by simply dialling into the master unit from a remote handset or mobile phone.

COMMUNICATION AND ALARMS

A simple page-all system with direct call-back capability can put any two stations into a two-way call, allowing direct communication between maintenance personnel.

The alarm button with filtering options will call the lift control centre, announcing a voice identification of the call. Up to 8 telephone alarm / maintenance numbers can be programmed for sequential dialling based on user settings.

Status notification LEDs identify the call progress and identify lifts that have previously raised an alarm call and an external call back to the system will autoroute the call to the last station of where an alarm was raised.

HEALTHCHECK SOFTWARE 24-7

Compatible with the CMS Anywhere 3-day Health Check software provides a clever cloud-based solution that can automatically monitor ANY manufacture of lift autodialler from anywhere in the world.

Technical Data:

- **Code Compliance:** EN81-28 (2018) EN81:70 (2018), EN81:20 / 50
- **Input Voltage:** 18V DC -28V DC
- **Operating Current:** 1A@18V Alarm Call-0.31A@18V
- **Voice Message:** Programmable Voice identification (16 Seconds Max)
- **Help Number:** 8 Numbers (16 Digits Max)
- **Alarm Filter input:** Dry contact
- **Outputs:** Open Collector 24V @100mA (Master) / 150mA (Station)
- **Data Bus:** Peer-to-Peer Single cable
- **Data Bus Length:** 400m (max)
- **Recommended cable:** Beldin 8723 (2 x twisted shielded pair cable)
- **Battery Type:** 12V SLA 0.8Ah
- **Battery Backup:** 8 Hours standby/ 4 Hours operating (typical)
- **Operating Temp:** 0deg C - 50deg C
- **Maximum stations:** 8 (addressable)
- **EXPANDABLE UP to 9 Lifts:** The system can be expanded supporting up to 9 lifts per telephone line

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EN81-28/70 • EUROPEAN STANDARD
EN81-28 • HEALTHCHECK STANDARD • 24
8 HOURS STANDBY 4 HOURS TALK TIME
UP TO 9 LIFTS PER TELEPHONE LINE • 1-9