

# PM24

## LTE - CATM1



PERMACONN™

The Permaconn solution provides a constant secure link between the supervised premises and the Control Room.

The PM24 is the smallest & most cost effective alarm communicator available in Australia.

This communicator interfaces with a range of alarm panels using Contact ID or serial. PM24 incorporates the latest technology available today - alarm signals are transmitted over the CAT M1 IoT network that forms part of the 4GX network.

## Key Features

- ✓ LTE - CATM1 alarm communicator
- ✓ Plug & Play solution
- ✓ Interfaces with any alarm panel using Contact ID or approved serial
- ✓ No mounting screws required. Enclosure is fitted with moulded magnets
- ✓ 3 inputs & 3 outputs function control using Atlas and/or Apps
- ✓ Compatible with Pocket Secure
- ✓ Low current consumption, no external power supply required
- ✓ No phone line or Ethernet connection required

## Additional Features

- Small size – Fits inside alarm panel enclosure and suitable for ATM & M2M applications
- Secure VPN within Telstra network – Dedicated for Permaconn events only
- AES128 encryption for alarm data
  - Secure alarm signaling
- High speed RS232 Interface
  - Serial interface to approved alarm panels
- Various diagnostic LED's - Easy installation
- Activate, control and diagnose PM24 using Atlas portal – Seamless installation process
- Two (2) dedicated paths of communication\*
- Internal watchdog reset function
  - No unnecessary service call-outs
- Monitors & reports dialler interface lead status
  - Panel dialler to Permaconn interface secure
- Outputs can be configured to arm/disarm alarm system, control gates and lights. 'Pocket Secure' smartphone app controls these functions.

\*Subject to Vodafone network rollout.

# PM24

## Specifications



<b>Housing Material</b>	ABS plastic - Green
<b>Dimensions</b>	108mm (H) x 15.5mm (D) 80mm (W)
<b>Weight</b>	80g
<b>Cat</b>	M1
<b>LTE FDD</b>	B3 / B28
<b>Modem</b>	Quectel BG96
<b>Power</b>	8–15V DC Terminal Supply
<b>Power Consumption</b>	Standby: 0.04A @13.8v DC Transmitting: 0.19A @13.8v DC
<b>Serial Port</b>	High Speed RS232 interface
<b>Auxiliary Input</b>	3x 24hr inputs – state change Detected every second EOL 3.3K
<b>Auxiliary Output</b>	3x Open Collector outputs @ 50mA (max)
<b>Function</b>	Control using Atlas web portal and/or “Pocket Secure” App
<b>Data Security</b>	AES128 Encryption
<b>Approvals</b>	EN62311: 2008, AS/NZS 2772.2: 2016, AS/NZS 60950.1:2015, AS/NZS CISPR 22: 2009+A1: 2010 AS/CA S042.4: 2015, AS/NZS 60950.1:2015 EN 55032: 2015, EN 55024: 2010+A1:2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013 ETSI EN 301 489-1 V 2.1.1 (2017-02), Draft ETSI EN 301 489-52 V1.1.0 (2016-11) ETSI EN 301 908-1 V11.1.1(2016-07), ETSI EN 301 908-2 V11.1.1(2016-07) ETSI EN 301 908-1 V11.1.1 (2016-07), ETSI EN 301 908-13 V11.1.1 (2016-07), EN62479: 2010 EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013