

PM1025

(Dual SIM GPRS + IP)

The Permaconn solution provides a constant secure link between the supervised premises and the Central Station.

The PM1025 is a versatile alarm communicator that reports on GPRS and IP to the Central Station.

This unit can interface with a range of alarm panels using RS232 or Contact ID using the DI300 module. Primary alarm path is GPRS or IP if optional IP63 module is fitted, with backup PSTN.



Key Features

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|--------------------------------------------------------------------------|----------------------------------------------|---------------------------------------------------------------------|
| ✓ Dual SIM + IP + PSTN alarm communicator | ✓ Plug & Play solution | ✓ Supplied in robust metal enclosure |
| ✓ 4 input + 3 output, function control using Atlas and/ or Pocket Secure | ✓ Interfaces with any Contact ID alarm panel | ✓ Low cost wireless hardware solution for NBN or Naked DSL services |

Additional Features

- Secure VPN within Optus & Telstra networks – Dedicated for Permaconn events only
- AES128 encryption for alarm data – Secure transmissions over the public internet
- Various diagnostic LEDs – Easy installation
- Activate, commission and diagnose using Atlas – Seamless installation process
- Two (2) dedicated wireless paths of communication as standard – Uptime in excess of 99.9%
- Encrypted IP path when optional IP63 module fitted – Three (3) paths of communication
- Ability to connect phone line on DI300 – Four (4) paths of communication
- On board battery charger circuit – Backup battery can be fitted for standalone operation
- Internal watchdog reset function – No unnecessary service call-outs
- Monitors & reports dialler interface lead status – Panel dialler to Permaconn interface secure
- Monitors and reports DC power & battery status – Reliable standalone operation
- Available with metal enclosure PM1025PACK1 or PCB kit only PM1025PACK2
- AS/NZ2201.5:2008 compliance

Specifications

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|-----------------------------------------|---------------------------------------------------------------------------------------------------------------|
| Housing Material/ Dimensions | Metal powder coated - White 170mm (w) x 205mm (h) x 48mm (d) |
| PCB Dimensions | 142mm (w) x 100mm (h) |
| Weight | 0.95Kg |
| Operating Environment | 0°- 50°C @15% to 85% humidity (non-condensing) |
| Antenna | Dual band GPRS |
| GPRS Modem | Cinterion MC-37 |
| Power | 14.5V DC (Plug Pack must have approval) |
| Power Consumption | Standby: 0.04A Transmitting: 0.07A |
| Power Reporting | Powered from 14.5V DC plug pack: |
| | DC - Fail: <11.8V DC DC - Restore: >12.8V DC |
| | Powered from alarm panel: |
| | DC - Fail: <10.0V DC DC - Restore: >11.0V DC |
| | Battery Status: |
| | Battery Fail: <11.6V DC (10 minute delay) Battery Restore: >12.5V DC (sent immediately) |
| Backup Battery | 12V 1.2A/Hr sealed lead acid battery |
| Typical Backup Time | 16 hrs |
| Auxiliary Input | Four (4) 24 hour inputs, state change detected every second. EOL 10K |
| Auxiliary Output | Three (3) Open collector outputs @ 50mA (max). Function control using Atlas web portal and/or 'Pocket Secure' |
| Tamper Input | 24 hour input. No EOL |
| Serial Interface | Consult the relevant serial interface specifications/manual |
| Communications Class | Refer to AS/NZ2201.5:2008 compliance statement |