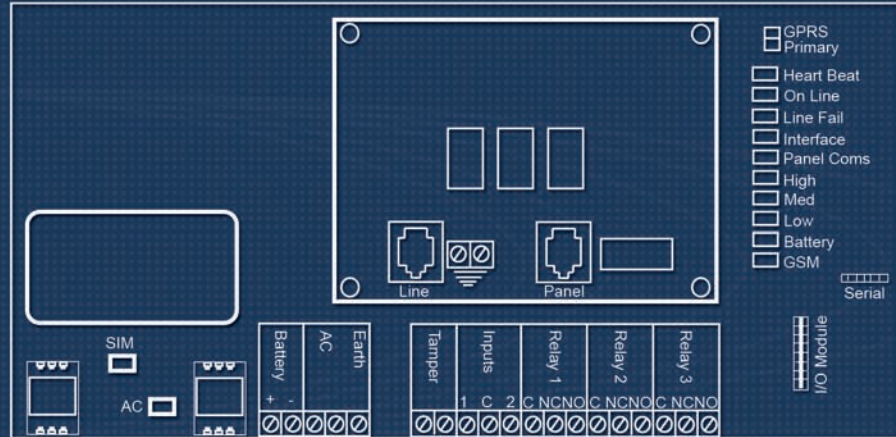


## PM2020 Outstation

The Permaconn PM2020 outstation is a versatile state of the art microprocessor based GPRS security communicator. Housed in a steel enclosure, with a Siemens GPRS module, on board PSTN dialler, switch mode power supply, telephone line and panel lead monitor. An I/O Module is available to add two supervised inputs and 3 relay outputs. The unit can interface to most panels using contact ID.



### Features

- Tamper input.
- Contact ID panel dialer lead interface.
- Serial interface.
- Monitors and reports PSTN failure.
- Monitors and reports status of alarm panel interface lead.
- Monitors and reports mains and battery status.
- Keypad clock monitor available on I/O Module
- Nonvolatile memory stores all setup information in the event of a power failure.
- On board PSTN dialer.
- No onsite programming required.
- RF signal strength indicator.
- Various LED status indicators for easy onsite diagnostics.
- 13.8V battery charging circuit, with reverse polarity protection.
- I/O Module available as accessory - Three general purpose relay outputs and two supervised 24 hour inputs.

### Specification

- **Size:** 260 x 240 x 75 mm
- **Material:** 1 mm Mild Steel
- **Colour:** Grey Powder Coated
- **Weight:** 0.75 Kg
- **Antenna:** Dual Band GSM, 210mm
- **GPRS Modem:** Sony Ericsson GR47
- **Power:** 16V AC +/-10% / 50Hz 1A
- **Power Consumption:** Standby: 0.23A Transmitting: 0.60 A
- **Backup Battery:** 12V/7AH sealed lead acid battery
- **Tamper Input:** Tamper input
- **Dialer Interface:** Accepts Contact ID (ADEMCO-685)
- **Serial Interface:** Consult the relevant serial interface specifications

### LED Status Indicators

- **Power:** On when the unit has power from the 16VAC plug pack.
- **Heart Beat:** Blinking when the CPU has completed a power up test and is working properly.
- **Signal Strength:** Shows the quality of the incoming radio Signal. On power up all LEDs are off.
- **On Line:** Is off initially and will start blinking when there is communications with the network.
- **Line Fail:** Steady on Indicates that there is no line voltage on the incoming telephone.
- **Interface:** Steady on Indicates that there is a problem with the alarm panel dialer lead.
- **Panel Comms:** Blinks when panel dials.
- **Battery:** Indicates low battery voltage when on.
- **GSM:** Steady on indicates that the unit has not been activated or network is not available. Will flash every 2 seconds to indicate connectivity with network.



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