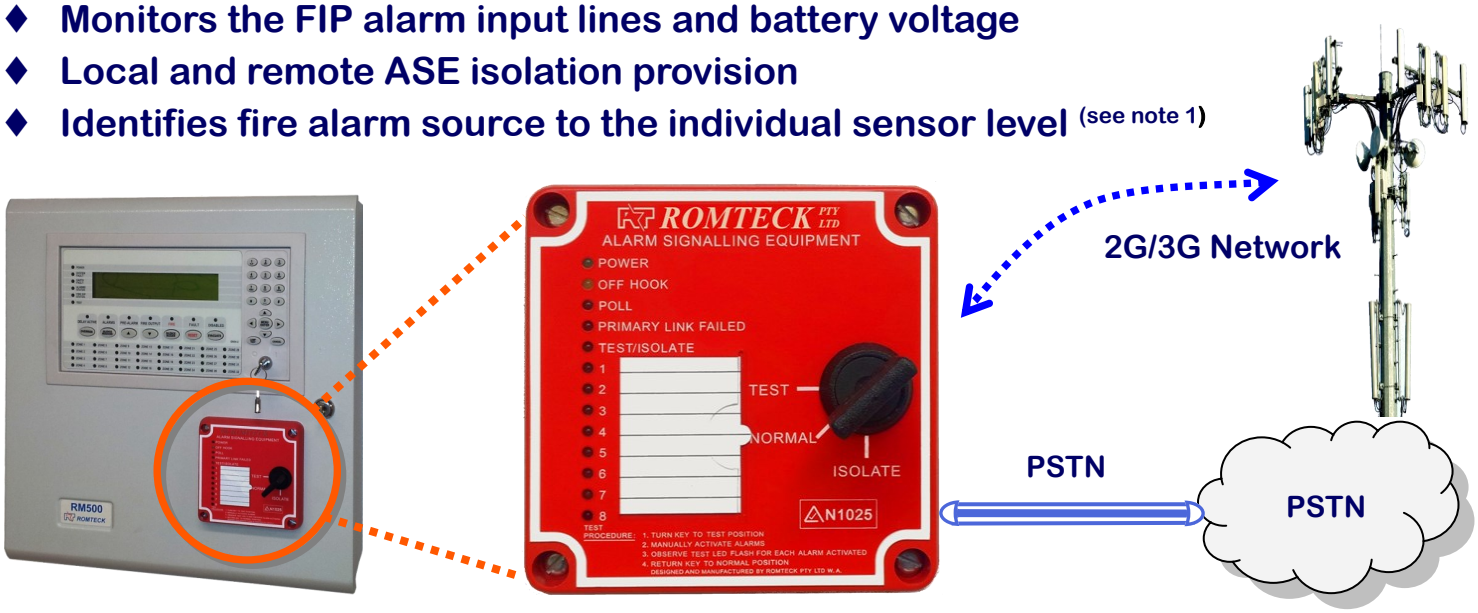
ROMTECK

RM2118 HSDPA PSTN ASE

ALARM SIGNALLING EQUIPMENT

- Supports 2G and 3G communications networks
- Alternate secondary communications capability via public switched telephone network (PSTN)
- Up to 8 ASEs can be daisy-chained so as to share one 2G/3G connection
- Monitors the FIP alarm input lines and battery voltage
- Local and remote ASE isolation provision
- Identifies fire alarm source to the individual sensor level (see note 1)



The ROMTECK **ALARM SIGNALLING EQUIPMENT** (**ASE**) complies with Australian Standards AS 4418, 4428 & 1670 (includes EMC and Austel requirements).

In order to meet the communications reliability requirements of AS1670.3 the ASE uses either 2G or 3G as its primary communications medium and a secondary backup medium using PSTN.

The ASE provides the following functionality:

- Continuously monitors the integrity of both communications medium and will raise an alarm should either fail.
- Normally mounted within the **Fire Indicator Panel** (FIP) it is monitoring and continually monitors the integrity of the connections between the FIP and itself and will raise an alarm if this is violated.
- Accepts up to 8 zones / 24 alarm inputs from the FIP as well as monitoring the battery of the FIP.
- Status indicators on the ASE display its current status; a buzzer output can be used to alert locally in the event of an alarm. ASE outputs can also allow local operation such as sirens or reset fire panels remotely etc.
- Is normally powered from its associated FIP and uses the panel's battery back-up in the event of a power failure.
- [1] Where an addressable FIP is being monitored, that implements the Romteck RFPP protocol e.g. a Romteck RM500, then the *precise* fire detector that has activated will be relayed to the Alarm Monitoring Centre.

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Specifications

INPUTS	8 monitored Zones / 24 inputs.
TEST SWITCH	Test switch for automatic alarm testing verification.
ISOLATE	Allows local isolation of the ASE or, when performed from a Command Centre, isolation of an individual input.
BUZZER	Local buzzer output (optional)
OUTPUTS	2 x FET outputs. Isolated circuits, 100mA, AC or DC signals.
LEDs	13 x LEDs, one for each zone to indicate alarm status and also for Power, Poll, Online, Isolate and Test to indicate ASE status.
ACMA	N1025
OPTIONAL	Quad Band Antenna
	End o f Line Resister Block (EOLRB)

3G MODEM	Quad-band 850 / 900 / 1800 / 1900 MHz GSM / GPRS / EGPRS, five-band 800 / 850 / 900 / 1900 / 2100 MHz WCDMA / HSDPA / HSUPA
RS232	Serial configuration and diagnostics port.
RS485	RS485 line allowing up to 8 ASEs at a location to share a common communications link.
TTL	TTL, serial port for expansion.
PSTN	Connection to PSTN via internal V22 modem using AT commands.
LATCHED INPUTS	Optional latching of alarm inputs with indication to allow local reset by fire service.
DIMENSIONS	110H x 110W x 60D mm

It is important when considering the purchase of alarm monitoring equipment that on-going Professional Engineering Support be provided. Romteck offers the following services:

- ♦ SYSTEM DESIGN
- ♦ SYSTEM INTEGRATION
- ♦ INSTALLATION & MAINTENANCE
- ♦ ON-GOING SUPPORT

These services combined with many years of practical experience with fire services throughout Australia and overseas, provide the essential elements for a safe and reliable system that can be installed with confidence.

ROMTECK - Connects you to the World

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