



# RM2118

## ALARM SIGNALLING EQUIPMENT



- . Alarm Signalling Equipment (ASE) designed to current standards
- . Up to 8 ASE can operate over a single leased line
  - . Monitors the alarm and sensor input lines
  - . Alternate secondary communications capability
  - . Local and remote ASE isolation provision

**T**he ROMTECK ALARM SIGNALLING EQUIPMENT (ASE) is designed based on the current Australian Standards AS 4418, 4428 & 1670 and is compliant with the current EMC and Austel requirements.

The ASE is a microprocessor based unit that incorporates the latest advances in technology to provide a reliable alarm monitoring and alerting function within an alarm monitoring network. The ASE is capable of operating over any current communication media including copper, Fibre optic, GSM, Microwave, radio, etc. and provides three separate communication links to enable fail safe redundant capabilities in the event of a failure of any link back to the Alarm Monitoring Centre. The system is best designed to operate primarily on a dedicated leased line which provides direct connection between the building and the Alarm Monitoring Centre. This ensures that the ASE and the security or equipment sensors are monitored every 3 seconds to check for both alarms but also any failure of the equipment in between. Combined with a secondary backup communication path that is automatically initiated in the event of a failure on the main link, the ASE provides a very high integrity monitoring capability.

The ASE can accept up to 8 individual alarm inputs from sensors or equipment as well as monitoring the ASE battery supply, the alarm lines connected to it and the communication links to the Alarm Monitoring Centre. Status indicators on the front panel allow understanding of the current status and functioning of the ASE and a buzzer output can be used to alert locally in the event of a failure. Two outputs are provided on the ASE to allow local operation of equipment such as sirens or to reset sensors remotely.

For systems requiring local powering of the ASE such as sprinkler systems, valve monitors, etc, the ROMTECK RM99134 ASE Power Supply can be utilised to provide a compact, battery backed power supply that meets the new Australian Standards for such devices.

As a major manufacturer of Alarm Signalling Equipment, ROMTECK has maintained compatibility with its existing range of alarm monitoring products to ensure the ASE can be integrated within existing networks with minimal cost and disruption.



# SPECIFICATION



<b>PROCESSOR</b>	MSP430 16 Processor	<b>SWITCHES</b>	4 bit dip switch to set operating mode.
<b>ROM</b>	48 K	<b>LEDs</b>	8 x LEDs, one for each input to indicate alarm status and also for Power, Off Hook, Online, Isolate and Test to indicate ASE status.
<b>RAM</b>	2 K	<b>MODEM</b>	In built 1200/2400 baud modem. Configured to allow use with leased line and PSTN modes (software selectable). Can share PSTN line with an existing phone line.
<b>RTC</b>	Battery backed real time clock	<b>GSM/GPRS MODEM</b>	Inbuilt GSM\GPRS modem can be either Primary or Secondary link.
<b>INPUTS</b>	8 monitored inputs.	<b>RS232</b>	4 wire RS232, DB9F. (DTE wiring).
<b>TEST SWITCH</b>	Test switch for automatic alarm testing verification.	<b>RS485</b>	2 wire RS485 line allowing up to 8 ASE at a location to share a single communications link.
<b>ISOLATE</b>	Allows local isolation of the ASE or when performed from a Command Centre isolation on an individual input basis.	<b>TTL</b>	2 wire TTL, serial port for expansion.
<b>BUZZER</b>	Local buzzer output indication. (OPTION)		
<b>OUTPUTS</b>	2 x FET outputs. Isolated circuits, 100mA, AC or DC signals 6 ohm resistance		

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

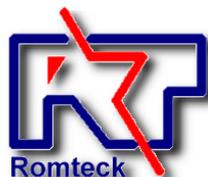
- ◆ **SYSTEM DESIGN**
- ◆ **SYSTEM INTEGRATION**
- ◆ **INSTALLATION & MAINTENANCE**
- ◆ **ON-GOING SUPPORT**

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

**For further product information on systems described within this brochure or any other ROMTECK products please contact the nearest ROMTECK office shown below.**

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