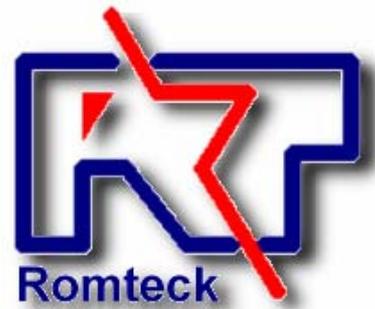# RM2261

PROTECTED PREMISES
UNIT (Fibre Optic enabled)

Romteck

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

The **RM 2261** Fibre Optic/FSK **P**rotected **P**remises **U**nit (PPU) is a microprocessor based intelligent unit designed to allow cost effective monitoring of equipment and plant located at a building or site complex from a central location. The PPU is connected to a RM2100 Alarm Concentrator which performs the centralised monitoring for the network of remote PPU units.

The PPU is designed using the latest technology and operates over any present and anticipated transmission media, ie. Dedicated copper or fibre optic leased line, and Radio using FSK signalling techniques. Integrity of the link is enhanced through the use of Error Detection Algorithms.

The PPU accepts inputs from 12 local sensors and indicates the condition of these at the central location. Inputs can be designated and prioritorised as six (6) Primary and six (6) Secondary conditions or 12 HIGH priority alarms. LED indication on the front of the unit provides local indication of the status of the PPU and equipment.

These indicators are:

POLL: Unit is receiving a poll.

TEST: A valid test received at the operation centre.

BAT: A low power or battery voltage.

PRIMARY: A PRIMARY input is ACTIVE

SECONDARY: A SECONDARY input is ACTIVE

The PPU also offers the capability to connect multiple or adjacent equipment by allowing up to 8 PPU to multidrop on a single line or fibre pair, hence reducing cabling or dedicated line rental charges.

The unit is fully programmable using the RM9069 Hand Held Programmer and functions such as Input Polarity, Input Enable, Low Battery Voltage, Unit I.D. can be modified by the authorised user.

The electronics are housed in a compact IP55 rated ABS enclosure that has all the electronics built on to the lid for easy access and exchange in the field and the Unit ID and Voltage parameters are able to be set via dip switches on the unit.

SPECIFICATION

△ C N1025

Motorola 68HC11 microprocessor
6 Primary inputs
6 Secondary inputs
Test input (optional)
Daisychain up to 8 on one pair of fibres
Fibre optic connection, ST, multimode or optional single mode fibre
Leased line connection
Inbuilt battery monitor
Supply voltage range 10 to 50 volts
Minimum line input level 43dBm
Address range 1 to 8

FSK tones V.23 CCITT
Max level to line - 10dBm
Input polarity individually selectable
Supply voltage tolerances and low level alarms are programmable.
Single printed circuit board design with all connectors removable without disturbance of wiring.

HEIGHT	100mm
WIDTH	100mm
DEPTH	50mm

FIBRE CABLE TO CONCENTRATOR

Up to 8 PPU per link to Concentrator

PPU

COPPER

FIBRE OPTIC CABLE
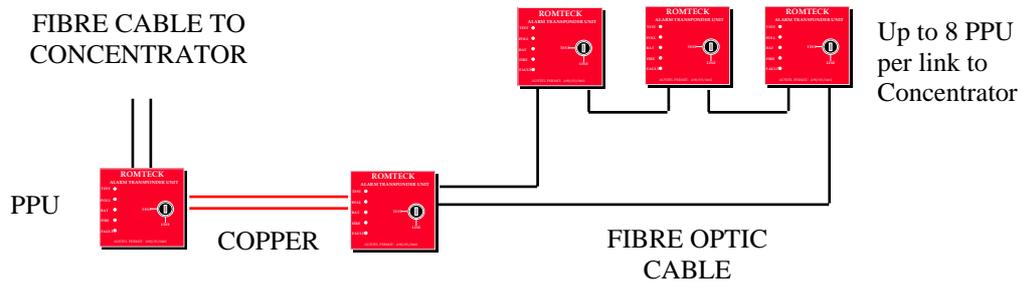
TYPICAL ARRANGEMENT OF RM2261 UNITS

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, 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.
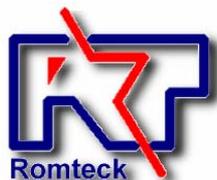
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