



# RM2105 -RF

## RADIO FIRE ALARM CONCENTRATOR



- . Monitors fire alarm systems and provides alarm and response actions
- . 4 dedicated radio channels with up to 64 RadioATU on each link
- . Can be connected to computer despatch and response systems
- . Provides radio or FSK line connection to the Multiplexer

**T**he **ROMTECK RM2105-RF CONCENTRATOR** is a purpose designed unit specifically for Direct Brigade Alarm monitoring of Fire Indicator Panels (FIP) and sprinkler systems in small country towns, industrial complex, mine sites, airports, military installations or institutional applications.

The **RM2105-RF** allows connection of up to 4 dedicated radio links for connection of a maximum of 64 **ROMTECK Radio Alarm Transponder Units (RATU)** per radio channel and giving the unit a capacity of up to 256 devices or buildings. Provision for two "digipeaters" per link is available and each RATU can accept up to 12 inputs, being 6 Primary and 6 Secondary alarms, therefore providing a powerful, and cost effective solution to remote alarm monitoring.

The unit is a 2U high, 19" rack mounted enclosure with an integral Liquid Crystal Display (LCD) panel and simplified keypad for alarm indication, acknowledgment and inquiry. The unit can cater for voice announcement, 4 dedicated radio channels, isolation and external display and printer interfaces as well as operating over radio or FSK to integrate into a RM2100 Multiplexer system. Outputs provide local activation or alerting on receipt of a Fire or Fault condition on any enabled alarm. In the event of a communication link failure to the Multiplexer, a backup dial can be made to the Multiplexer to report alarms. All cabling terminations are provided on the rear of the unit via appropriate plug in connectors and therefore requiring no need for access to the interior of the unit.

Remote devices and alarms can be disabled at the Concentrator to stop false triggering during maintenance procedures or renovations. Indication of alarms is through the front panel mounted LCD display, printer or an external computer system such as "**FIREMON**" may be connected. For remote reporting, the system can utilise its internal modem to dial a control centre and report any currently active alarms. When combined with the "**FIREMON**" software the user has access to graphic displays of building floor plans, alarm names and locations special conditions and procedures to be followed. A printer can be connected to the system for logging of alarm activity and a record is maintained of all alarms tested on the system by the Building Managers or Fire Agents.

The **RM2105-RF** provides very high integrity monitoring with checking of the system from end to end being performed continuously. Priority is given to sensing and reporting the fire alarm at a building and is immediately reported over the radio network. Testing of the Fire Panel can be carried out by the fire maintenance contractor and all tests can be logged to the printer if connected.

The **ROMTECK RM2105-RF DIRECT BRIGADE ALARM CONCENTRATOR** forms part of the extensive range of Fire Monitoring and Telemetry products designed and manufactured in Australia by ROMTECK. These include systems for Metropolitan, Country and State wide Direct Brigade Alarm monitoring as well as integrated communication, and Remote Control and Command Systems. For further information on the larger systems or any other products please contact ROMTECK to discuss your requirements.

# SPECIFICATION

## RM2105-RF RADIO CONCENTRATOR

### FEATURES

- ◆ 19" rack enclosure 2U high.
- ◆ 240VAC operation (12 & 24V DC optional).
- ◆ Individual Alarm Enable/Disable
- ◆ Alarm Query
- ◆ Test Alarm Query
- ◆ Fire Alarm Alerting
- ◆ Fault Alarm Alerting
- ◆ Integral Display and Simplified Keypad.
- ◆ External Terminal/Computer Support
- ◆ External Printer Support
- ◆ Internal Full Duplex Modem for backup reporting in the event of a network failure.
- ◆ Up to 4 independent radio channels with up to 64 Radio ATU units per radio channel
- ◆ Error Detection on Communication Links.
- ◆ Remote Acknowledge Input for Alarms
- ◆ Real Time Clock
- ◆ Integrates with current RM2100 system through radio or standard FSK ports

### MECHANICAL

HEIGHT	2U high (85mm)
WIDTH	19" (482 mm)
DEPTH	250mm

### ENVIRONMENTAL

Operating Temperature:	-10 to +60 deg C
Humidity:	0 to 90 % non condensing

Engineering support is important when considering the purchase of alarm monitoring equipment.

ROMTECK offers the following services:

- System Design
- System Integration
- Installation and Maintenance
- Service Manuals
- On-going Support

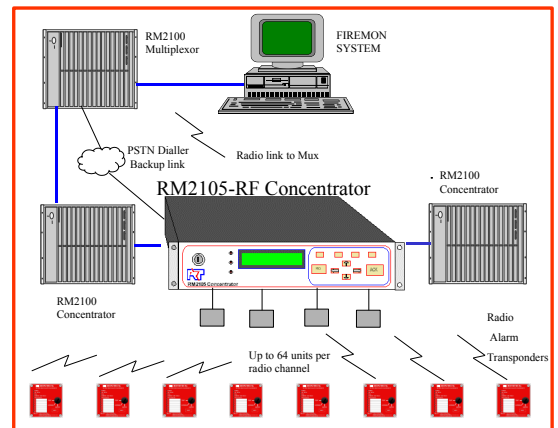
These services combined with many years of practical experience with systems throughout Australia, provide the essential elements for a safe and reliable system that can be installed with confidence.



RM2105-RF FRONT PANEL



RM2105-RF REAR PANEL



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

**ROMTECK AUSTRALIA PTY LTD**  
**37 COLLINGWOOD ST**  
**OSBORNE PARK 6017**  
**WESTERN AUSTRALIA**

**PHONE (61) 8 9244 3011**  
**FAX (61) 8 9244 2649**  
**Email [sales@romteck.com](mailto:sales@romteck.com)**

