

# REMOTE ALARM TRANSPONDER (RAT)

## Unknown Alarm Conditions Cost You Time and Money

The **Remote Alarm Transponder (RAT)** uses proven alarm technology to transport remote alarm conditions directly to you via wireless transmission from up to 60 miles away. With wireless communications you use existing infrastructure with no need to install towers, phone lines, or obtain radio licenses. The RAT offers low cost of ownership with dependable service. Features Include:

- Use up to 5 user configurable inputs to define alarm conditions
- Set alarm points ranging from 0-30 volts, 4-20 mAmps, or logic level
- Configure alarm points to close dry contacts at the master station
- Compatible with any serial link (direct or radio) at 19.2 Kbps
- Direct connect to Freewave OEM serial radio
- Read alarms from any computer screen with standard terminal software
- Low power consumption (under 150  $\mu$ A in stand-by mode) – suitable for remote applications
- No software required
- Low cost
- Ongoing free technical support from trained Dycor staff

The **Remote Alarm Master** receives alarm points from multiple R.A.T. units.

- Remote alarms control the status of 16 dry contacts
- Bi-color LEDs indicate alarm conditions
- Unit monitors communication with remotes
- Configure groups of alarms per channel
- Global alarm output to drive annunciator



*WHAT IS HAPPENING AT  
YOUR REMOTE SITE?*

*DO PROBLEMS AT  
YOUR REMOTE SITE  
COST YOU MONEY?*

*CAN YOU AFFORD  
NOT TO KNOW?*



**RAT MAKES INDUSTRIAL MONITORING RELIABLE AND EASY!**

## Remote Alarm Master Details

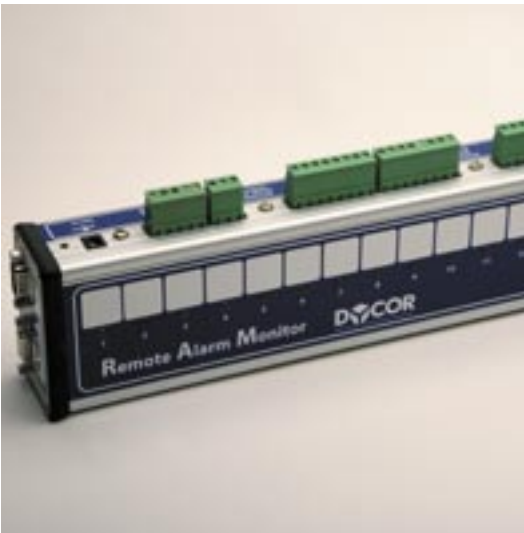
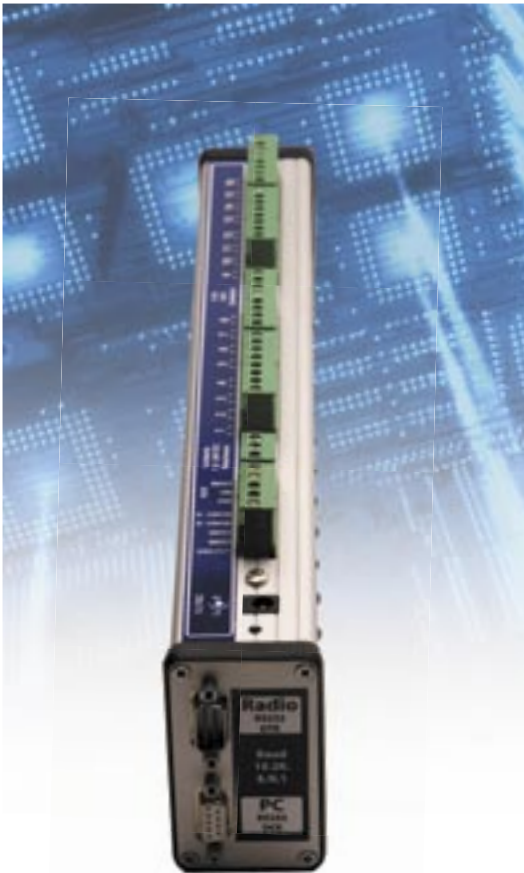
- 16 configurable channels
- Dry contact status related to alarms
- Drive up to one amp load per channel
- Suitable for triggering sirens, voice dialers, etc.
- ASCII alarms suitable for display on terminal using any standard terminal package (i.e. Hyperterm)
- -40C to +70C temperature rating

**Example:** (site#, alarm#, name, text)

00005 00 ALARM@Wellsite 42 Over temperature on thermocouple

## Remote Alarm Transponder Details

- 5 user configurable inputs
- Ranges from 0-5 volts or 0-30 volts
- Trigger on user defined point
- 1 user configurable 4-20 mA input
- Trigger on user defined levels
- Low power (150  $\mu$ A)
- Suitable for integration to any serial radio system for remote access
- Onboard low/high battery detection
- Temperature sensing alarm
- Programmable alarm scan times
- -40C to +70C temperature rating
- Simple to configure without any software requirement



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Dycor reserves the right to make changes to specifications of products described in this data sheet at any time without notice and without obligation to notify any person of such changes.

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