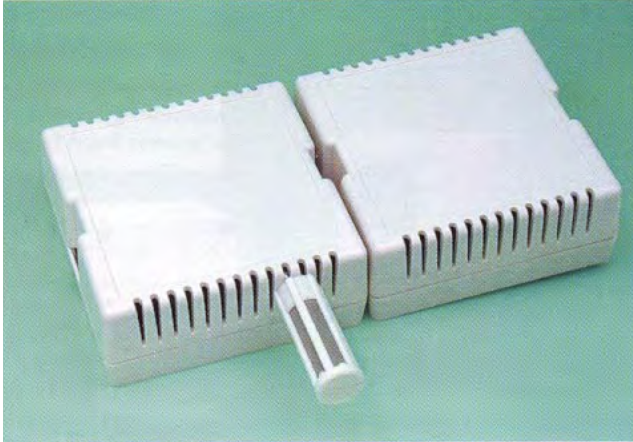


# Radio Temperature Monitoring System



## Specification:

Accuracy :	+/- 0.5°C
Dimensions	83 x 83 x 27mm
Transmitted values	Temperature, setpoint, digital status, RH
Supply	9Vdc battery (PP3) Battery life Approx. 2 years

## RP-8RXM Radio Receiver Specification:

Dimensions	146 x 104 x 70mm
Outputs:	Analogue 4 x 0-10 vDC  Digital 4 x open collector
Supply	24vAC

A technologically advanced system which allows up to 32 separate sensor parameters to be sent via 434.075MHz radio transmission to a central receiver module, which processes the signal and provides 0-10Vdc or open collector outputs for use by a BMS controller. During installation, the receiver module "learns" each sensor from which it will receive data. Each sensor has its own unique serial and ID numbers, which are held in non-volatile memory in the receiver. After the receiver has completed its learning process, output channels can be configured to correspond to any of these sensor parameters.

The **RP-8RXM** receiver can be pre-configured by Sontay prior to despatch, or by using the RP-RCM hand-held configuration module. The receiver module is supplied with the RP-WA wire aerial as standard. The RP-XA aerial kit for mounting externally from a panel is available as an option.

## System Overview:

Each RP-8RXM receiver module has 4 analogue outputs and 4 open-collector digital outputs as standard. Up to 3 expansion modules can be connected to the receiver module, and are available in two types :

- The RP-8XM 4 x 0-10Vdc analogue outputs + 4 x open-collector digital outputs.
- The RP-4RM 4 SPDT relay outputs.

Analogue outputs can be configured in the following options: -

## Temperature outputs: .

- -10 to +40°C
- -10 to +110°C
- -40 to +85°C
- -40 to +40°C

## Setpoint output:

- +5 to +40°C

Additionally, each open-collector output can be configured as a digital output (On/Off type). Either a momentary (/MS) or latching switch (/LS) may be specified to be fitted to the sensor to transmit a digital state to the receiver.

## RP-8XM Expansion Module Specification:

Dimensions	80 x 104 x 70 mm
Outputs:	Analogue 4 x 0-10 vDC  Digital 4 x open collector
Supply	Supplied by RP-8RXM

## RP-4RM Relay Expansion Module Specification:

Dimensions	68 x 104 x 70 mm
Outputs	4 x SPDT relays 230Vac @ 8A
Supply	Supplied by RP-8RXM

Part Code	Description	Price
RP-HTSX	Radio Sensor - RH&T transmitter	£270.00
RP-TSX	Radio Sensor - Temperature Transmitter	£135.00
RP8RXM	Radio Receiver Module	£275.00
RP-RCM	Receiver Configuration Module	£170.00
RP-4RM	4 Relay Expansion Module	£ 45.00
RP-8XM	Expansion Module 4 Analogue + 4 Digital	£ 70.00
RP-TSX/SP	Radio Sensor - T Tx + Setpoint	£145.00
RP-TSX/SP/LS	Radio Sensor - T Tx + Setpoint + LS	£150.00
RP-TSX/SP/MS	Radio Sensor - T Tx + Setpoint + MS	£150.00
RP-TSX/LS	Radio Sensor - T Tx + LS	£145.00
RP-TSX/MS	Radio Sensor - T Tx + MS	£145.00
RP-WA	Antenna Whip	£ 15.00
RP-XA	Antenna Kit for External Mount	£ 58.00