



Above:
Third channel remote probe

Below:
Optional wall mounting security bracket

The rl4108 radio transmitter is one of a new range of advanced temperature and humidity radio transmitters. They allow wire-free monitoring of a site, with real time alarm notification and historical analysis of data. Each rl4108 unit reads its onboard sensors to provide accurate and reliable information about environmental conditions. This data is transmitted, at user-defined intervals, to the Radiolog system where it is filed for analysis.

The rl4108 has three sensors as standard: an internal precision temperature probe a high quality humidity probe and an additional remote surface temperature probe to check the dew point margins. These sensors can be calibrated by the users or at Hanwell's in-house calibration laboratory.

The ID number and transmission rate are set in the rl4108 using a simple software program (free to download) and a USB cable. Each unit has an LCD screen simultaneously displaying the most recent readings taken and the predicted battery life.

The rl4108 is powered by a single 3.6V AA Lithium battery, which can be fitted by the user. The battery life will be dependent on the transmission rate set. An indicator on the LCD will warn when the battery is low, and the rl4108 maintains a record of when the battery was last changed.

The moulded case allows easy access to the battery and USB socket, as well as having slots to fit onto secure wall brackets and a plain front panel to hide the LCD if more discreet monitoring of public areas is desired. Suitable for indoor use only. The rl4000 range has been designed to comply with the RoHS and WEEE EU directives, and carries the CE mark.



Temperature & humidity

Product Code RL4108.xxx.xxx*
Series rl4000

Typical Applications

Monitoring in:

- ° Hospitals
- ° Pharmaceutical
- ° Warehousing

Instrument

Dimensions: 110 x 80 x 35mm
Weight: 200 grams
Power Supply: 3.6 Volt AA Lithium battery
Battery Life: 18 months
Case Materials: ABS & PC
Operating Humidity Range: 0 to 100% non-condensing
Operating Temperature Range: -15° to +65° C
Memory Capacity: 10000 readings

Sensors

Temperature

Internal Sensor: Precision thermistor
Range: -15° to +60° C
Accuracy: +/- 0.2° C between -15° C to +60° C
Resolution: 0.1° C
External Sensor: Precision thermistor
Range: -40° to +60° C
Accuracy: +/- 0.2° C between -40° C to +60° C
Resolution: 0.1° C

Humidity

Sensor: Capacitive polymer
Range: 0 to 100% non-condensing
Accuracy: +/- 3% RH
Resolution: 0.1%RH

Radio

***Radio Frequency:** 434.075MHz, 433.920MHz (fixed), 433.875 - 434.650MHz in 25KHz increments (synthesised)
Radio Power: 10 mW
Radio Range: 3 km over open ground

Accessories

Code:
Y119 Wall mounting security bracket
Y055 Setup communications cable
G129 Replacement 3.6V Lithium AA battery
CAL-IA 3 point calibration certificate