Measurement, Control, and Datalogging Solutions

cr2 base station

Product Code   cr2i

Typical Applications
- Warehouse monitoring
- Building control
- Laboratory monitoring
- Process monitoring
- Cold storage
- Remote level monitoring
- Rotating machinery

Controller

Dimensions:	204 x 156 x 68 mm
Weight:	1000 grams
Case Material:	Powder coated extruded aluminium
Power Supply:	12v universal power supply
Radio Frequency:	434.075 MHz (32 channels available)
Display:	2x16 line alpha-numeric
Environmental rating:	IP54 internal
Alarm indication:	Red LED
Comms indication:	Yellow LED
Status indication:	Green LED
Backup supply:	7.2 volt rechargeable NiMH pack
Memory Capacity:	49152 standard records

Controller Inputs

Radio sensors:	Narrow band FM radio
Interface:	USB

Controller Outputs

MS1000 control RS485
Alarm Relay via jack socket

Receiver

Dimensions:	100 x 100 x 50 mm
Weight:	250 grams
Case Material:	ABS

* GSM is a factory fit option only.

The base station receives and processes signals from Hanwell radio and wired sensors. These sensors communicate at regular short intervals with the cr2, which logs and stores the data pending transfer to a PC for analysis and archival storage. The cr2 also provides an interface for the ms1000 control system.

All data from the sensors, whether radio telemetry or hard wired in any combination, is ultimately collected, processed and stored by the cr2. This can be located conveniently and is designed for continuous monitoring of the entire system. A 16 x 2 alpha-numeric LCD displays the system status.

The cr2 also signals alarm conditions via the front panel LED'S (should any sensor measure above or below individual pre-set levels). Although the base station has an extensive memory capacity, it is intended that the data is transferred to a PC for detailed interpretation and permanent storage. This can be done automatically or manually, at any time.

*Built in GSM modem for remote communications is also available.