

# CR2 base station

## Signal receiver & processing

The CR2 base station receives and processes signals from Hanwell radio 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.



All data from the sensors is collected, processed and stored in the CR2, transfer to the computer is automatic when the computer is running. When the computer is off-line the CR2 will back up data internally until the computer comes back on line where the automatic data transfer will recommence. The CR2 is normally located near the computer that is being used to monitor the data. An on-board 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). The CR2 has an on-board relay that can be configured to drive external alarm devices where required.

### Options

- Built in GSM\* module for remote communications via the mobile phone network
- RS485 output\* to drive Hanwell MS1000 control cards for building control or data replication
- Modbus RTU Slave\* for interfacing to third party systems and BMS systems

*\*GSM, RS485 and Modbus are factory fitted options*

### Typical Applications

- Warehouse/Storage monitoring
- Interface to BMS systems
- Conservation Heating control
- Monitoring in Buildings/Galleries/Show Cases
- Remote monitoring where there are no computers or networks

Always ask for a long-range signal strength test.

We can prove ours to be unrivalled.



### CR2



CR2 - Signal Base Station

## SPECIFICATIONS

### Instrumentation Specification:

|                |                                 |
|----------------|---------------------------------|
| Product Code:  | CR2                             |
| Dimensions:    | 204 x 156 x 68 mm               |
| Weight:        | 1kg                             |
| Power supply:  | 12v universal power supply      |
| Case Material: | Powder coated extruded aluminum |

### GSM Functions

|                       |                                     |
|-----------------------|-------------------------------------|
| Radio Frequency:      | 434.075 MHz (32 channels available) |
| Display:              | 2x16 line alpha-numeric             |
| Environmental Rating: | IP54 for internal use only          |
| 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 |
| PC Interface:  | USB                  |

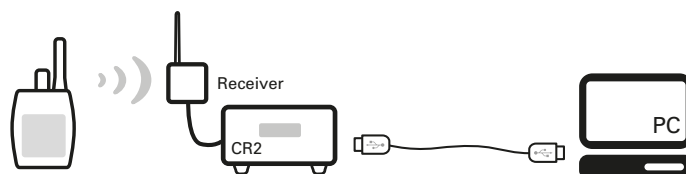
### Controller outputs

|                             |
|-----------------------------|
| MS1000 control RS485        |
| Alarm Relay via jack socket |

### Receiver

|                |                  |
|----------------|------------------|
| Dimensions:    | 100 x 100 x 50mm |
| Weight:        | 250 grams        |
| Case material: | ABS              |

### Radio system (requires radio receiver)



#### Disclaimer

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