

Hanwell Control



The Hanwell Pro control solutions with receiver, retrieves and processes signals from Hanwell Pro radio sensors. Use Hanwell Pro control systems to control equipment on/off functions either directly connected to CR2 and CR3 base stations or via MS1000 and/or BMS.

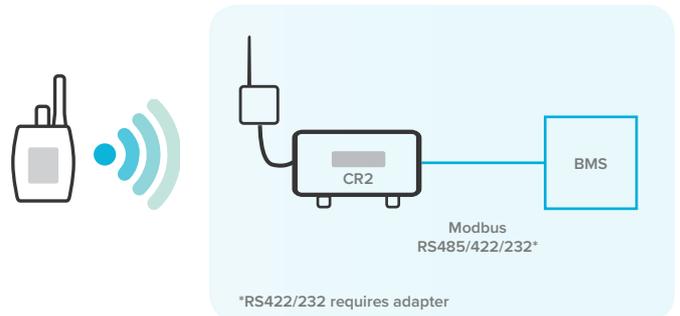


CR2 Modbus to BMS

CR2 Modbus provides serial Modbus output to interface to third party BMS systems.
 CR2 is configured to pass Temperature and Humidity sensor readings to Modbus registers for interrogation by the BMS system.

Commissioning will require customer or third party engineer with technical knowledge of the BMS system and its Modbus interface.

CR2 Modbus is NOT part of the EMS data monitoring system; to collect data from the control sensors, additional hardware and software will be required.



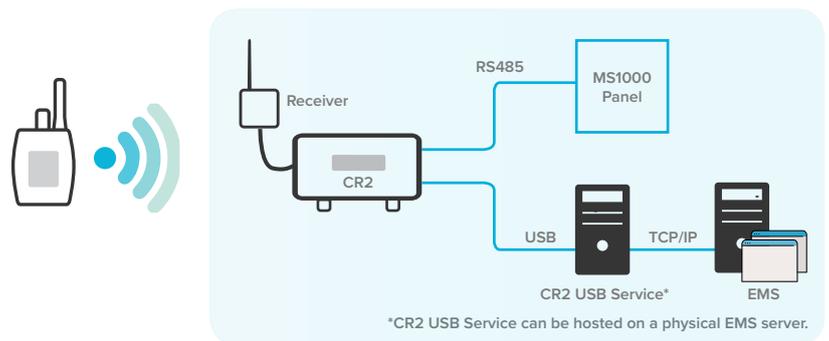
Schematic shows sensor, CR2 Modbus, BMS only.

CR2 replicator

CR2 Replicator provides analogue outputs proportional to Temperature, Relative Humidity, and Lux sensor readings.

The analogue outputs are provided by MS1000-AM-12 cards mounted in a MS1000 panel. These outputs would usually drive inputs to a BMS system.

Analogue outputs are either 0-10V or 4-20mA.



Schematic shows sensor, CR2 replicator connected to MS1000 panel and also connected to EMS

EMS Conset CR3 Control

EMS Conset is used to configure the system to provide Conservation Heating control via relay and analogue outputs from a MS1000 panel.

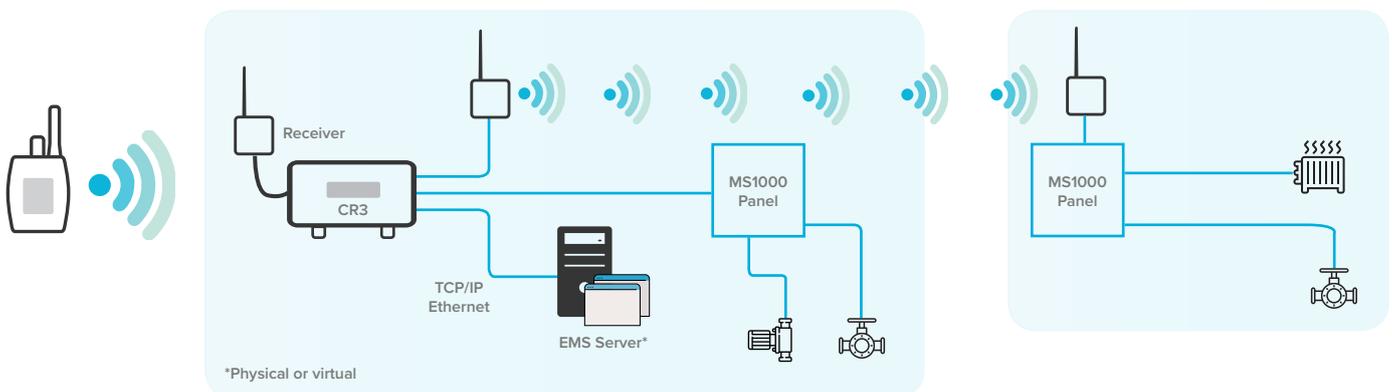
The system outputs control customer plant; such as radiator valves, pumps, boiler demand, humidifiers, dehumidifiers, and switched or proportional loop control valves.

The CR3 uses RS485 to communicate with the MS1000 panel cards; so the panel can be up to 50M from the CR3.

EMS Conset can also control plant local to the site, but remote to the CR3, using radio control to MS1000 and or CH3 Humidistats. See [help. emsproucloud.com/index.html?introduction-to-conset.html](https://emsproucloud.com/index.html?introduction-to-conset.html) for an introduction to Conset Conservation Heating control.

Relay outputs can be Normally Open or Normally Closed operation.

Analogue outputs can be 0-10V or 4-20mA.



Schematic shows sensor, CR3 connected to MS1000 panel and also to EMS

Hanwell Humidistat

Hanwell provide a range of Humidistat for local environmental control; see CH1/CH2/CH3 datasheets at hanwell.com



Ultimate peace of mind    RoHS

Version 1 - EC180074

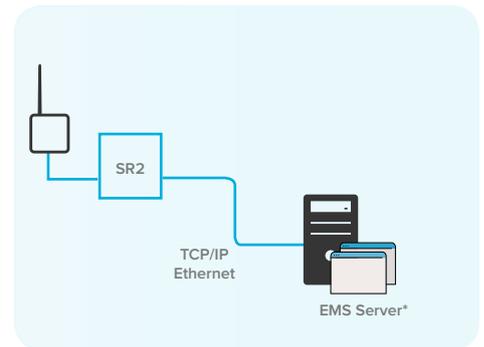
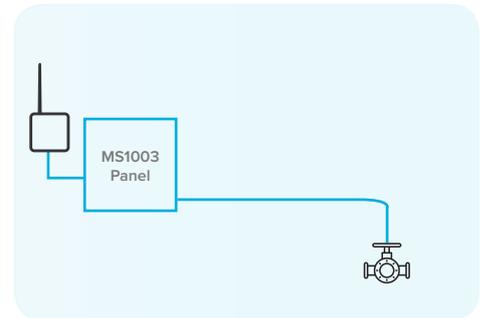
Disclaimer: The information contained herein is believed to be reliable. Hanwell Solutions Ltd. is not responsible for any incorrect or incomplete information on this datasheet and the information or product may be changed without notice. Customers should obtain and verify the latest relevant information before placing orders for Hanwell products.

hanwell.com

Tel: +44 (0)1462 688070 | Email: sales@hanwell.com

Sensor Linearization

Individual sensors can be setup to provide MS1000 relay control, to control individual items of customer equipment, using sensor alarm levels.



Schematic shows sensor, MS1000-AM-12 with receiver, SR2 and EMS.