CH3 humidistat

Humidity Control

Heating
Humidity
Wireless
Dehumidifier
Control

The humidistats are designed to electronically control humidifiers, dehumidifiers and heaters. Each humidistat has a microprocessor based system with 2 outputs and are used in conjunction with either the HPS-01 or the HPS-03 power supplies (see datasheet).

Product Features

- ✓ Does not require existing Hanwell wireless system
- ✓ Can be used in conjunction with humidifiers, dehumidifiers and heaters
- ✓ Mechanical relay incorporated into all technology for safety
- ✓ Protected against dust and dirt ingress

Typical Applications

- ✓ Heating control
- ✓ Conservation humidity control

Product code: CH3

Instrumentation specification	
Dimension (Excl. ancillaries)	83 x 83 x 36mm
Weight	144 grams
Power supply	From HPS unit
Case material	ABS
Outputs	1 x humidification, 1 x dehumidification

Radio Transmitter functions	
Frequency options	A range of frequencies are available between 433-458MHz. Country specific regulations apply
Software required	W900 – Standard EMS Software Package W906 – Validated EMS Software Package *See EMS datasheet for further options
Hardware required	HPS Power unit CR2/ CR3 - Controller REP - Repeater (optional)

HPS- 01 & HPS-02	Power supply unit specification
Dimensions	235 x 72 x 107 mm
Weight	1083 grams
Case material	Pressed steel, black powder coated
Temperature range	0 to 35°C
Maximum switching capacity	2.0kW (10A)
Relay rating	25A
Protection	Thermal fuse* *note trip temperature for fuse is 55°C +/-5°C

HPS- 03 & HPS-04	Power supply unit specification
Dimensions	162 x 59 x 107 mm
Weight	1137 grams
Case material	Pressed steel, black powder coated
Temperature range	0 to 35°C
Maximum switching capacity	2.0kW (10A)
Relay rating	25A
Protection	Thermal fuse* *note trip temperature for fuse is 55°C +/-5°C

Disclaimer: The information contained herein is believed to be reliable. Hanwell Ltd is not responsible for any Customers should obtain and verify the latest relevant information before placing orders for Hanwell products.

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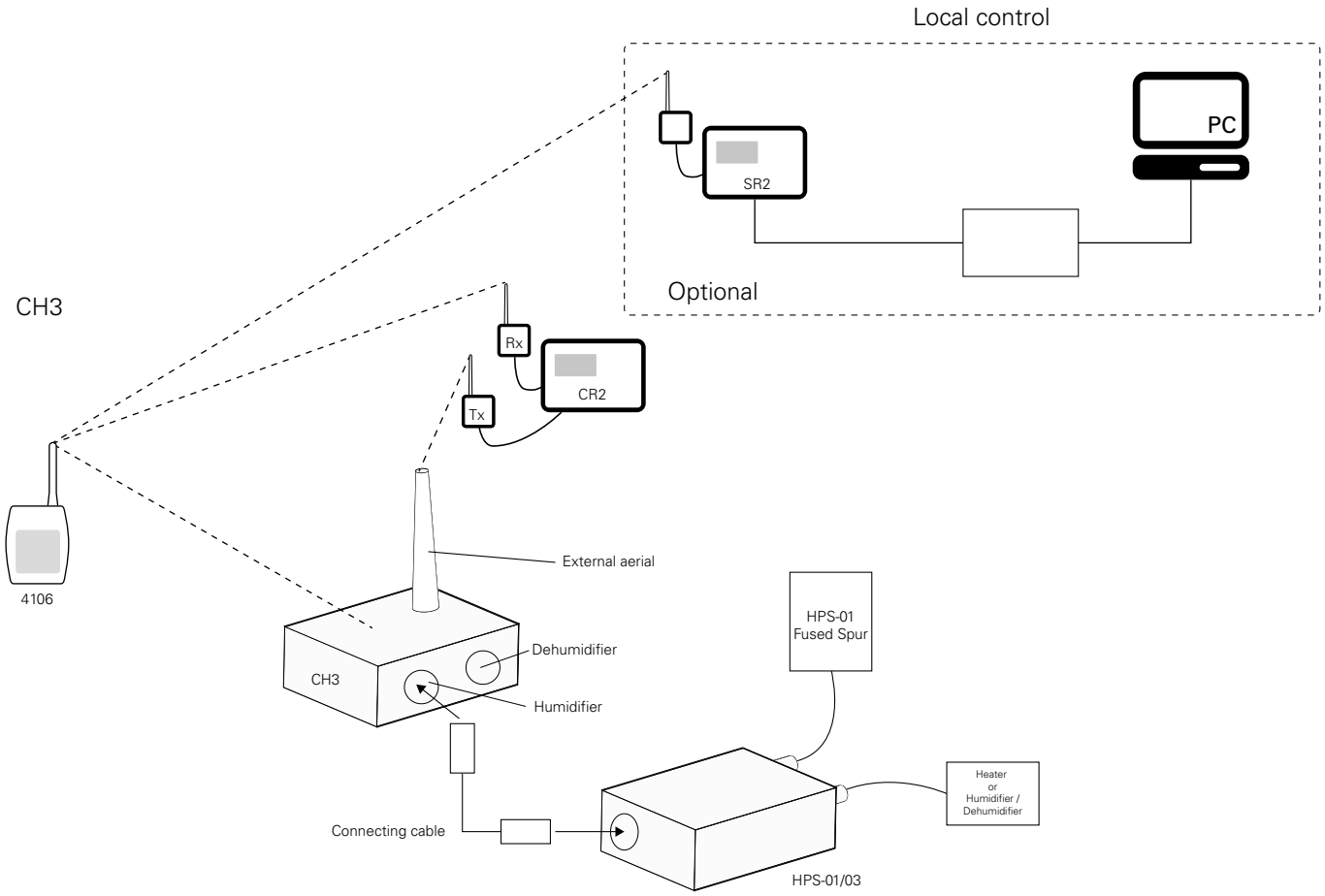
Option 1

CH3 has internal aerial for local control, this would be used with a local radio sensor in the room with the CH3 programmed to directly respond only to that sensor. This mode is used on smaller systems where the settings are not frequently changed. Settings are made directly on the CH3 via internal dip switches.

In this mode the system can be used if there is no monitoring system installed, alternatively if a monitoring system is present this transmitter can also be added to the monitoring system which will record the data and produce alarms if required.

Schematic - Local control



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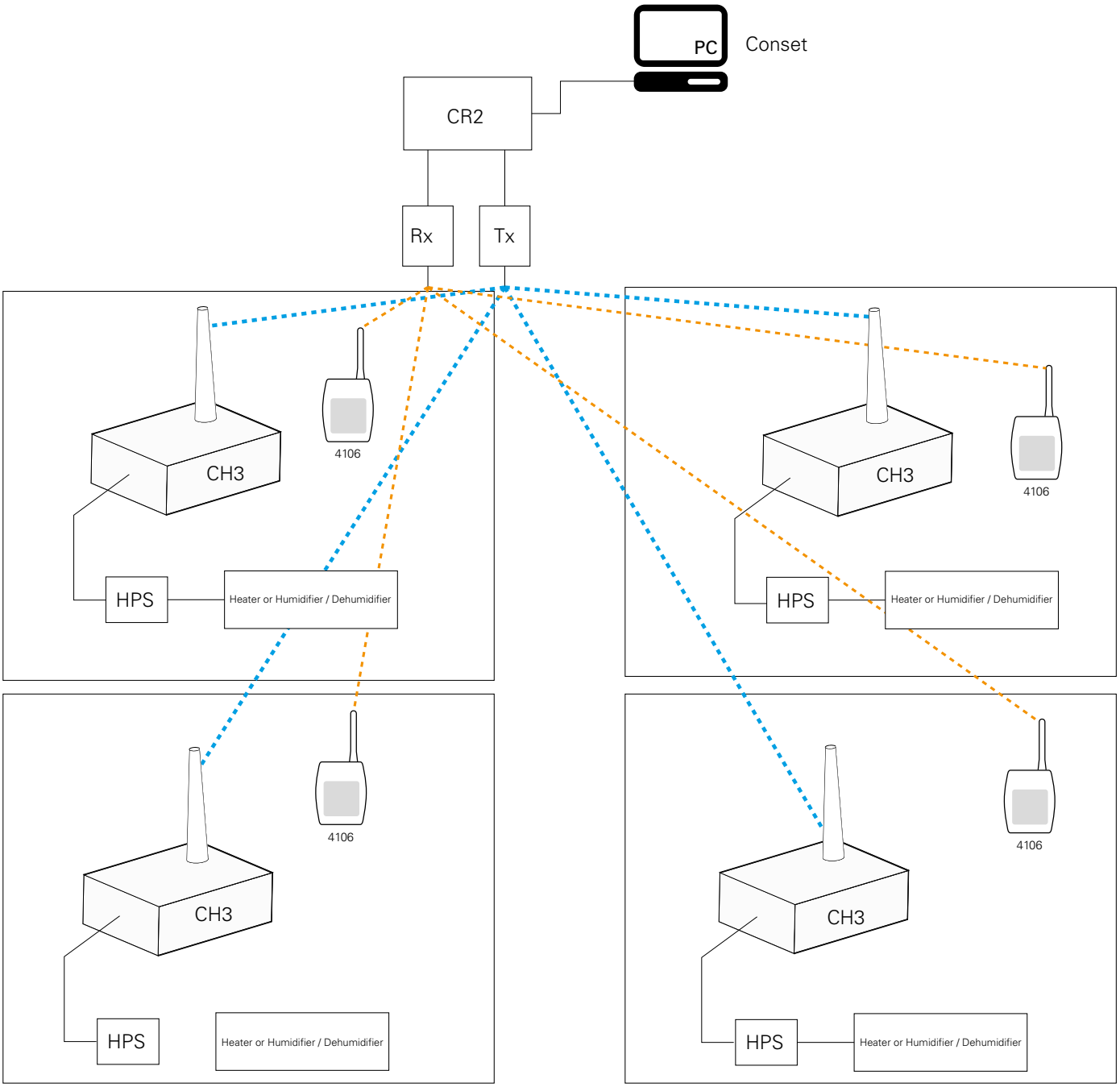
Option 2

CH3 has external aerial for central control, this would be used in conjunction with a monitoring system using Conset conservation control software. In this mode the transmitter in the room would transmit back to the central station and the control signals would be transmitted back to the CH3 in the room.

This mode has the advantage that the CH3 never needs to be directly accessed all control settings are handled at the central monitoring station. Any number of CH3 units can be used in a single system.

Schematic - Central control



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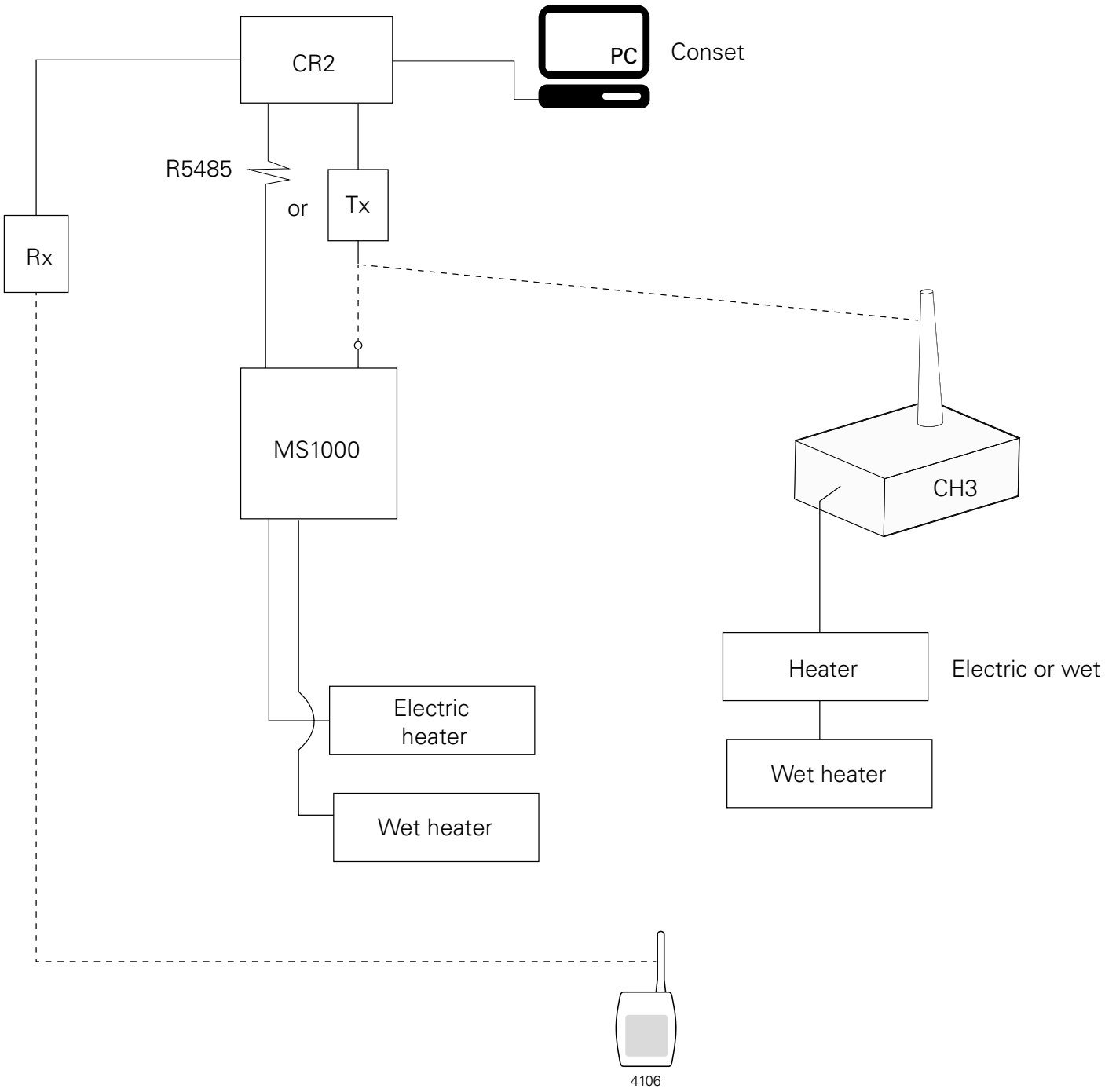
Schematic - Central control



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