

# CH1 humidistat

## Humidity 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

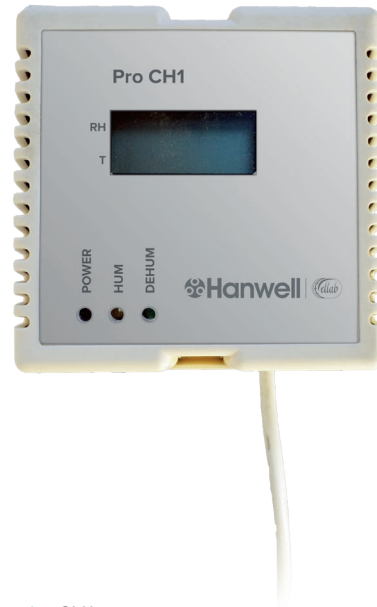
- ✓ Does not require existing Hanwell wireless system
- ✓ Can be used in conjunction with humidifiers, dehumidifiers and heaters
- ✓ Mechanical relay incorporated into all technology for safety
- ✓ Protected against dust and dirt ingress
- ✓ RH/T humidistat controller is programmable by the user with temperature overrides to prevent room getting too cold or too hot regardless of humidity.

### Typical Applications

- ✓ Heating control
- ✓ Conservation humidity control

Instrumentation specification	
Dimensions	83 x 83 x 36 mm
Weight	144 grams
Power supply	Supplied from HPS unit
Materials	ABS
Humidity sensor	Capacitive polymer
Humidity range	5 to 100% non-condensing
Humidity accuracy	+/- 3%
Temperature sensor	Precision thermistor
Temperature range	0 to 35°C
Temperature accuracy	+/- 0.3°C
Display	4 digit 7 segment LCD
Outputs	1 x humidification, 1 x dehumidification

Hardware required	
HPS	Power unit required
CR2/CR3	Controller
REP	Repeater (optional)



Heating



Humidity



Wireless



Dehumidifier



Control

Product code: CH1

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 operating 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 operating 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

Manufactured by Hanwell | Ellab RoHS

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Schematic

CH1

RH/T humidistat controller, programmable by the user with temperature overrides to prevent room getting too cold or too hot regardless of humidity

