



Environmental monitoring with the ccr30 combines a humidifier, a dehumidifier and a radio control system into one unit, actuated by signals from Hanwell T/RH telemetry units. The environmental monitoring afforded by the ccr30 allows the control of relative humidity over the full range required, with a user adjustable switching hysteresis. The hardware is guaranteed never to allow the dehumidifier and humidifier to be on simultaneously.

The ccr30 is designed to give precise and automatic control of humidity levels based on signals received from Hanwell radio telemetry sensors. Problems created by microclimates in the vicinity of the plant are completely removed by the use of remote radio sensors. Built to the highest standards, the ccr30 will give years of trouble free service with minimal maintenance.

**Main features:**

- \* Humidity set point and dead band are adjustable by the user
- \* The controller ensures there is no possibility of the humidifier and dehumidifier being on simultaneously
- \* Open electrode boiler Humidifier ensures sterile water vapour and scale retention
- \* Steam exit design ensures minimum visibility and low temperatures
- \* Microprocessor controlled with a host of safety features ensuring reliable operation

## ccr30 de/humidifier

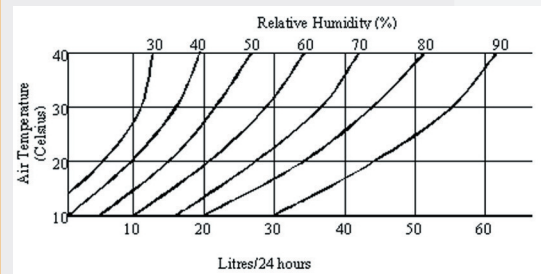
**Product Code** Z634  
**Series** Control

**Typical Applications**

- ° Computer rooms
- ° Stability rooms
- ° Cold stores
- ° Controlled manufacturing

**Instrument**

**Dimensions:** 76 x 112 x 30 cm  
**Weight:** 70 kg  
**Power Supply:** 240 volts 50/60Hz AC 1.5kW  
**Case Materials:** Powder coated steel  
**Colour:** White (other colours available)  
**Water supply:** Mains fed(filtered not softened)  
**Drain:** Gravity drain  
**Range Controller Sensor:** 0 - 100% RH -20°C - +80°C  
**Accuracy Control Sensor:** +/- 2% RH +/- 0.5°C  
**Humidifier Type:** Open electrode steam boiler  
**Performance:** 2 litres per hour water supply  
**Dehumidifier Type:** Refrigerant (R407C)  
**Fan:** Centrifugal 550 m<sup>3</sup>/hour  
**Minimum Operating Temperature:** 5°C (5°C with hot gas defrost)  
**Performance:** See chart below



**Accessories**

- Hanwell radio control
- Automatic flood detection
- Air scoop to duct output
- BMS interphase
- Water filters
- Alarm outputs
- Hot gas defrost