

Humidistats

The J10 controls are designed to regulate the relative humidity of confined spaces by cycling humidifying or dehumidifying equipment. They are designed for use as internal components for portable humidifiers and dehumidifiers, and as wall mounted humidity controls for central systems.

The J10 is a relative humidity control, consisting of a humidity sensing element, adjustable setpoint cam and an electrical switch. The sensing element changes length in response to the exposed RH to move the switch mechanisms at the appropriate switch points.

APPLICATIONS

- Dehumidifiers.
- Space and Product Humidifiers.
- Ventilation fans for confined spaces.
- Materials processing.
- Central HVAC units.



FEATURES

Strong plastic frame with integral switch.
 Improved woven nylon sensing element provides 12 times faster speed of response than film nylon elements.
 Greater stability of setpoints over dramatic changes in relative humidity.
 Improved differential allowing 5%RH.
 Switch grade plastic frame eliminates the need for grounding the control.
 Choice of 5% or 15%RH differentials.
 Choice of (2) SPST and (2) SPDT switches to better match applications.
 Choice of fixed or adjustable setpoints.
 Choice of dial shaft flat orientation.
 Gold-plated contacts available for microprocessor load applications.
 Available with case and cover for wall/duct mounting.
 Electronic controls available contact Ranco Marketing.

SPECIFICATIONS

Humidity Ranges

10 to 60%RH.
 20 to 80%RH.
 30 to 90%RH.

Differentials

5%RH or 15%RH.

Switch

SPDT or SPST.
 6.3 X 0.8 mm Terminals.

Function of Terminals (when present)

- 1 Close on %RH increase
- 2 Common.
- 3 Close on %RH decrease.

Switch/Frame Insulation Material

Thermoplastic, Flame Class 94V-0.
 Comparative Tracking Index 600.

Approvals

The controls meet IEC 60730 - 1 & 2 - 13, UL 873 and CSA C22.2, No. 24.

Control Cycle Ratings

Automatic switch cycles @60° C 50000.
 Manual dial shaft cycles 6000.

Ambient Temperature Limitations

Switch Head 0° C to 60° C.
 Shipping -30° C to 65.6° C.

Enclosure Protection

IP00.

Electrical Shock Protection

Class 1.

Method of Attachment

Screw; Optional user defined snap-in.

Manufactured For:



ALTERNATIVE ENERGY GROUP, LLC

(336) 984-2569 / (888) 984-2569