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by **Schneider** Electric

The 2298 Series Unit Ventilator Thermostat has been designed for the proportional control of pneumatic devices and actuators in environmental control systems. These devices are designed primarily as return air controllers in induction units, fan coil units, and unit ventilators. The 2298 Series will also replace the obsolete 2264 Series Unit Ventilator Temperature Controllers.

These two-pipe controllers incorporate a receiver controller which when coupled with the highly-sensitive remote bimetal sensor system, provides accuracy and stability over the entire operating range. Models are available in direct or reverse acting only, or dual pressure summer/winter models for heating and cooling applications. (See Ordering Data.) Set point adjustment is accomplished by means of a serrated "thumb wheel". A "cooler/warmer" cover with graduated marks representing 5°F increments from 65 to 85°F is provided with each controller.
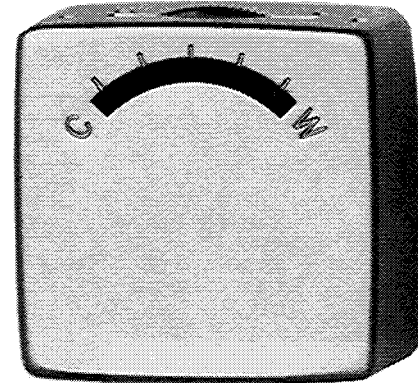
Table-1 Ordering Data.

Order Number	Replaces Model	Action	Comments
2298-060	T460-301	RA @ 16 psig DA @ 25 psig	Includes cover and remote bimetal sensor
2298-061	T461-301	Direct	
2298-062	T462-301	Reverse	
2298-063	T463-301	RA @ 16 psig DA @ 25 psig	

Table-2 Replacement Parts.

Order Number	Replaces Model	Description
20-818	220-17	Mounting Bracket
20-821	100-50	Replacement Sensor for 2293-060 and 2298-062
20-822	100-51	Replacement Sensor for 2293-061 and 2298-063
20-856	C13-42	Replacement Cover
21-800	10-72	Set Point Adjustment Cover

SPECIFICATIONS

Set point range: 65 to 85°F
Throttling range: 4°F fixed.
Adjustments: External or concealed.
Main air pressure:
   2298-060, See Ordering Data.
   2298-061, 20 psig operating.
   2298-062, 20 psig operating.
   2298-063, See Ordering Data.
Maximum air pressure: 30 psig.

Air consumption:
   2298-060, 30 SCIM @ 16 psig; 45 SCIM @ 25 psig.
   2298-061, 30 SCIM.
   2298-062, 30 SCIM.
   2298-063, 30 SCIM @ 16 pisg; 45 SCIM @ 25 psig.
Calibration point: factory calibrated @ 9 psig.

Caution: This device should be installed by a qualified person with due regard for safety, as improper installation could result in a hazardous condition.

INSTALLATION INSTRUCTIONS

The mounting bracket, as shown in Figure-1, should be fastened to a structural member within the end compartment of terminal units. The mounting bracket may be bent along the points noted above to allow the unit controller to be installed beneath an access door or to fit the application in the terminal unit.

Secure the controller to the mounting bracket by pressing the "mounting ears" on the back of the controller through the rectangular slot in the bracket. The sensor should be mounted in a place which will provide an indication of the temperature being controlled.

Note: The sensor MUST be mounted in the horizontal position with the bimetal "up" and the connection down. Maximum distance between the controller and sensor should not exceed 200 feet.

Connect the sensor to port "S" on the back of the controller with 1/4" O.D. tubing. All port connections on the controller and sensor are for 1/4" O.D. tubing.
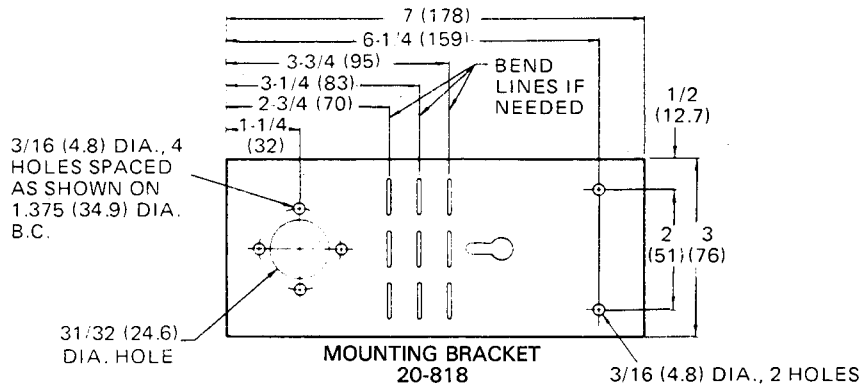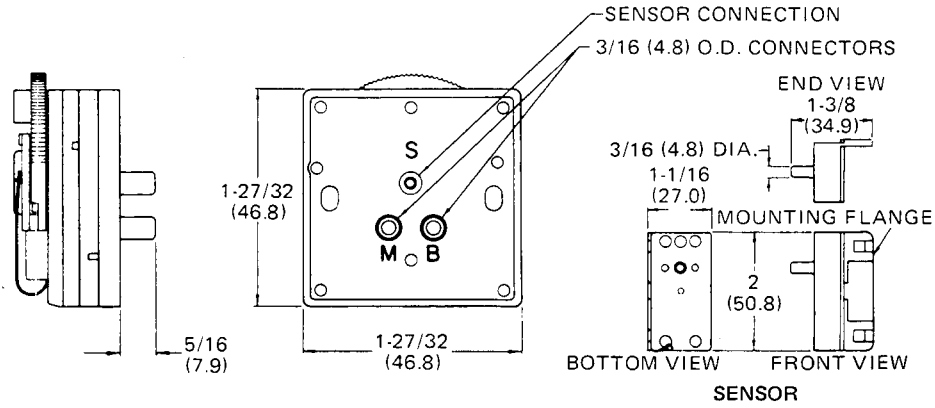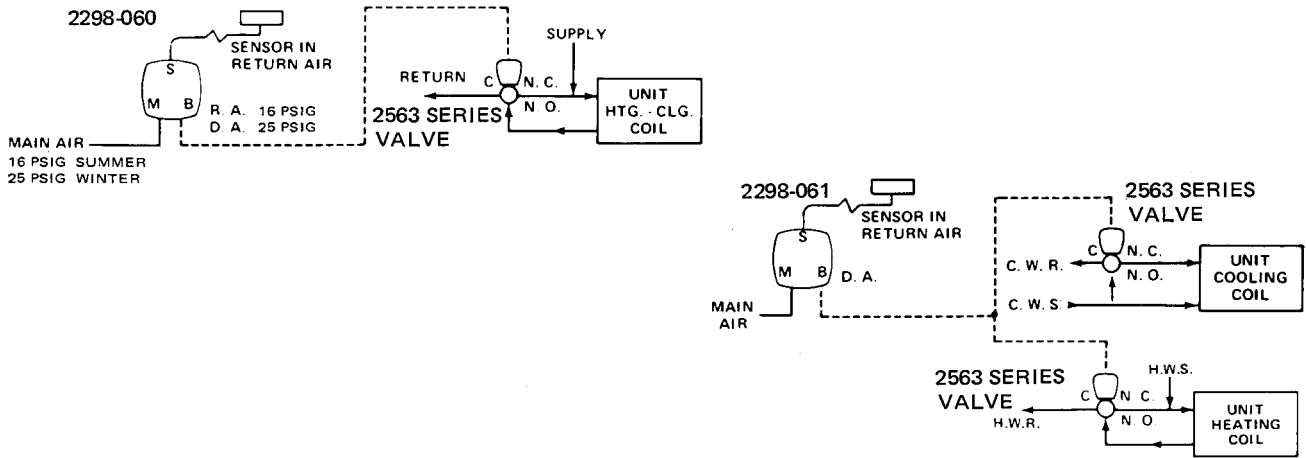
MOUNTING DIMENSIONS

Figure-1

TYPICAL APPLICATIONS

Figure-2

F-24586-2

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