

THERMOSTAT CONTROLLER

FEATURES

- Saves energy, reduces filter replacement frequency and extends filter fan life
- Terminal block connection
- 38-mm DIN rail mounting bracket (according to EN 60715) and screws included

FINISH

- RAL7035 light gray
- Plastic housing UL94 V-0

NOTES

Caution: When setting the temperature of the break contact (NC) and the changeover contact (CO) to use it as a break contact, care must be taken to add the maximum hysteresis (that consists of the switching difference and the operating tolerance) to the required minimum temperature. For instance, if the temperature in the enclosure may not fall below 5 C, the controller must be set to 5+7+3=15 C (with a switching) difference of 4-7 k and tolerance of +/- 3 k.

Performance Data Thermostat Controller

CATALOG NUMBERS	
	TWR60
DESIGN DATA	
Control Range (°F / °C)	-4 / -20 to 104 / 40 or 32 / 0 to 140 / 60 or 68 / 20 to 176 / 80 (see type plate)
Switching Differences:	
Bimetal controllers	Approx. 1 k, approx. 3 k, 4-7 k (see type plate)
Capillary controllers	less than 7 k
Contact	Snap contact as break contact = NC Make contact = NO Changeover contact = CO (see type plate)
Switching Capacity:	
Break contact/make contact	100V...250V / 10(2)A, at 4 max. 30 W
Changeover contact - heating	100V...250V / 10(2)A, at 4 max. 30 W
Changeover contact - cooling	100V...250V / 15(2)A, at 4 max. 30 W
Supply Voltage	Controller (CO) requires 230V
Protection	IP20
Switchpoint Tolerance	+/- 3k
Sensor	Bimetal
Power Connection	Terminal screws 0.5 to 2.5 mm ²
Bimetal Controller Ambient Temperature:	
T40	-4 / -20 to 104 / 40
T60	32 / 0 to 140 / 60
T80	68 / 20 to 176 / 80
Storage Temperature (°F / °C)	-4 / -20 to 140 / 60
UNIT CONSTRUCTION	
Unit Dimensions - H x W x D (in. / mm)	2.52 x 1.46 x 1.81 / 64 x 37 x 46
Weight (oz / g)	1.8 / 50

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