

**THERMOSTAT CONTROLLER**

**INDUSTRY STANDARDS**

cURus; File No. E164102

CE

**FEATURES**

- Mechanical thermostat for controlling filter fans and heaters
- Registers surrounding air and can switch inductive and resistive loads via snap-action contact
- Clips for vertically mounting on 35 mm DIN rail (EN 60715)
- An integrated resistor (RF) can be connected to improve the switch temperature difference

**FINISH**

- RAL7035 light gray
- Plastic housing UL94V-0

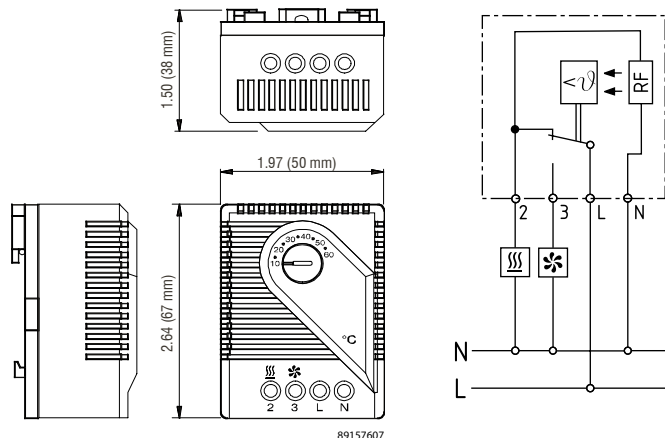
**NOTES**

- The contact system of the regulator is subjected to environmental influences and contact resistance may change which can lead to a voltage drop and/or self-heating of contacts
- If the Normally Closed contact is used, the switch temperature difference could be reduced by connecting terminal "N" (RF heating resistor). It causes thermal feedback which is subject to surrounding conditions and thus has to be determined for each individual application.
- Voltage only needs to be specified if the optional use of the RF resistor is desired

**Performance Data Thermostat Controller**

<b>CATALOG NUMBERS</b>				
	THERM16F	THERM26F	THERM16C	THERM26C
<b>DESIGN DATA</b>				
Control Range	40 to 140 F		5 to 60 C	
Switching Differences:				
Bimetal controllers	Approximately 9 F (5K), tolerance -5.4/+3.6 F (-3/+2K)			
Contact	Snap contact as break contact-NC Make contact-NO			
Switching Capacity:				
Minimum switching capacity	10 mA			
Maximum switching capacity, NC	10 A resistive / 4 A inductive @ AC 115V 10 A resistive / 4 A inductive @ AC 250V DC 30 W			
Maximum switching capacity, NO	5 A resistive / 2 A inductive @ AC 115V 5 A resistive / 2 A inductive @ AC 250V DC 30 W			
<b>Supply Voltage</b>	<b>115V</b>	<b>230V</b>	<b>115V</b>	<b>230V</b>
Protection	IP20			
Sensor	Bimetal			
Power Connection	4-pole terminal, clamping torque 0.5 Nm maximum: solid/stranded wire, 14 AWG maximum (2.5 mm)*			
Ambient Temperature (°F / °C)	-4 to 176 F		-20 to 80 C	
Storage Temperature (°F / °C)	-49 to 149 F		-45 to 65 C	
<b>UNIT CONSTRUCTION</b>				
Temperature Display	Fahrenheit		Celsius	
Unit Dimensions - H x W x D (in./mm)	2.64 x 1.97 x 1.50/67 x 50 x 38			
Weight (oz/g)	2.00/60			

\*When connecting with stranded wires, wire end ferrules must be used



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