Compact fan heater
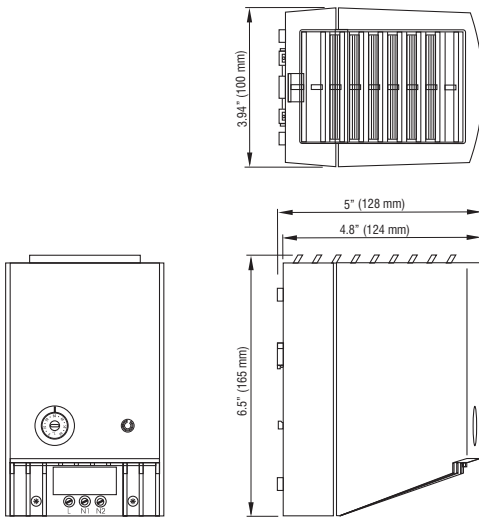
Heating power adjusts to ambient temperature

Integrated adjustable thermostat

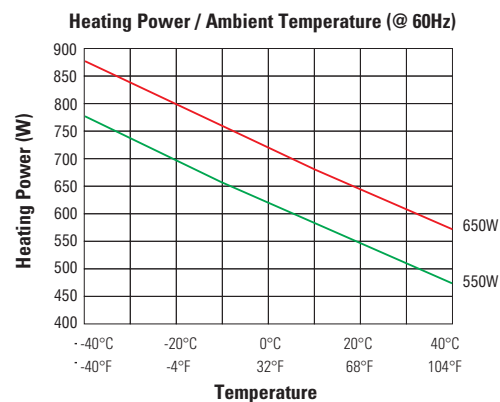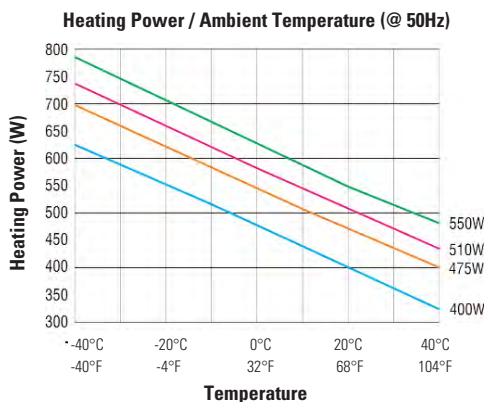**Built-in overheat protection**

DIN rail mountable

The semiconductor CR 027 fan heater prevents the formation of condensation and ensures an even temperature in enclosures. The integrated thermostat is used to set the desired temperature while the high performance axial fan provides forced air circulation. The CR 027 is also available with a continuously running fan (when powered).

CE cULus RoHS

Technical Data

Heating element	PTC resistor - temperature limiting
Overheat protection	built-in temperature limiter
Axial fan, ball bearing	service life 50,000h at 77°F (25°C)
Air flow, free blowing	see table below
Connection	2-pole terminal AWG 14 max. (2.5mm²), torque 0.8Nm max..
Housing	plastic, UL 94V-0, light grey
Function control light	LED
Mounting	clip for 35mm DIN rail, EN 60 715
Mounting position	vertical
Operating / Storage temperature	-49 to +158°F (-45 to +70°C)
Dimensions	6.5 x 3.94 x 5.0" (165 x 100 x 128mm)
Protection class	II (double insulated)
Protection type	IP20
Approvals	UL File No. E204590

3.94" (100 mm)

5" (128 mm)
4.8" (124 mm)
6.5" (165 mm)

Wiring note: Only connect the L and N1 terminals - N2 is not used and Grounding is not required

Heating Power / Ambient Temperature (@ 50Hz)

Heating Power (W)

550W
510W
475W
400W

-40°C -20°C 0°C 20°C 40°C
-40°F -4°F 32°F 68°F 104°F
Temperature

Heating Power / Ambient Temperature (@ 60Hz)

Heating Power (W)

650W
550W

-40°C -20°C 0°C 20°C 40°C
-40°F -4°F 32°F 68°F 104°F
Temperature

Part No.	Heating capacity[1] (@ 50Hz)	Heating capacity[1] (@ 60Hz)	Operating voltage	Max. current (inrush)	Air flow, free blowing	Thermostat setting range	Weight (approx.)
02700.0-00	475W	550W	220-240VAC	11.0A	20 cfm (35m³/h)	0 to 60°C	2.0 lbs. (0.9kg)
02701.0-00	550W	650W	220-240VAC	13.0A	26 cfm (45m³/h)	0 to 60°C	2.4 lbs (1.10kg)
02700.9-00	400W	550W	100-120VAC	14.0A	20 cfm (35m³/h)	32 to 140°F	2.0 lbs. (0.9kg)
02701.9-00	510W	650W	100-120VAC	15.0A	26 cfm (45m³/h)	32 to 140°F	2.4 lbs (1.10kg)

[1] at 68°F (20°C) ambient temperature