

FAN HEATER

NEW

**CR027 Series
Starts at
\$155**



- Compact Fan Heater in PTC Technology
- Heating Power Adjusts to Ambient Temperature
- Integrated Adjustable Thermostat and Control Light
- DIN Rail Mountable

An easy DIN rail mountable design makes the CR027 Series fan heater an ideal accessory for any enclosure. The CR027 maintains minimum operating temperatures in enclosures and helps to prevent failure of electronic components caused by condensation and corrosion.

To determine the required heater size follow this equation:

$$PH = (A \times \Delta T \times k) - Pv$$

PH = Required heating power for your application in Watts (W)

Pv = Heating power generated by existing components (e.g. a transformer) in Watts (W)

A = Exposed enclosure surface area square meters (m²)

ΔT = Temperature differential between the desired minimum interior temperature and lowest possible external temperature of the enclosure in Kelvin (K), 1.8°F = 1°C = 1K

k = Heat transmission coefficient of the enclosure material used:

- Stainless Steel: 3.7 W/m²K
- Painted Steel: 5.5 W/m²K
- Aluminum: 12 W/m²K
- Polyester/Plastic: 3.5 W/m²K

For outdoor applications it is recommended to double the heating power.

SPECIFICATIONS

Heating Element: PTC-semiconductor/resistor, self-regulating with changing ambient temperature (see graph)

Thermostat Range: 0 to 60°C (32 to 140°F)

Overheat Protection: Built-in temperature limit in case of fan failure

Function Control Light: LED

Housing: Plastic, UL94V-0
Dimensions: 165 H x 100 W x 128 mm D (6.5 x 3.94 x 5")

Connection: 2-pole terminal, 2.5 mm² (AWG 14 max)

Mounting: Clip for 35 mm DIN rail (EN 50022)

Protection Class: II (double insulated)

Protection Type: NEMA 2 (IP20)

Axial Fan (Ball Bearing):

CR02702700900,

CR02702700901:

35 m³/h (20 cfm)

CR02702701900,

CR02702701901:

45 m³/h (26 cfm)

Max Current (Inrush):

CR02702700900,

CR02702700901: 14 A

CR02702701900,

CR02702701901: 15 A

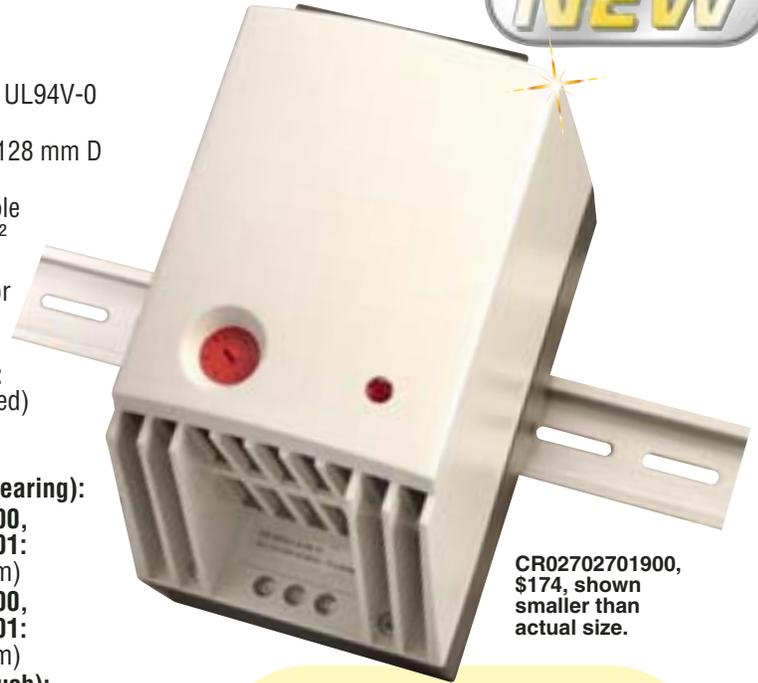
Weight:

CR02702700900,

CR02702700901: 0.9 kg (2 lb),

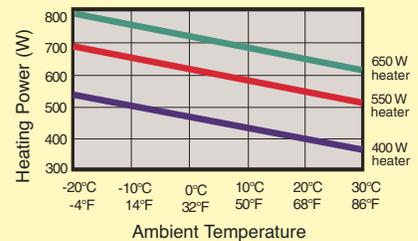
CR02702701900,

CR02702701901: 1.1 kg (2.4 lb)



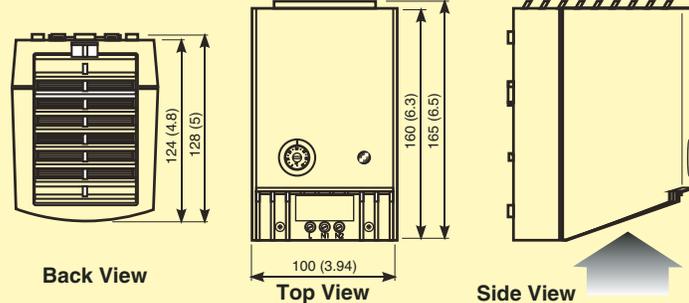
CR02702701900, \$174, shown smaller than actual size.

Heating Power Relative to Ambient Temperature



Dimensions: mm (in)

For spacing, add 51 mm (2") clearance to heat sensitive parts



To Order (Specify Model Number)

MOST POPULAR MODELS HIGHLIGHTED!

MODEL NO.	PRICE	DESCRIPTION
CR02702700900	\$155	Fan heater, 550 W, 120 Vac, with adjustable thermostat 32 to 140°F
CR02702700901	155	Fan heater, 550 W, 120 Vac, with adjustable thermostat 0 to 60°C
CR02702701900	174	Fan heater, 650 W, 120 Vac, with adjustable thermostat 32 to 140°F
CR02702701901	174	Fan heater, 650 W, 120 Vac, with adjustable thermostat 0 to 60°C
XBANS3575P	9	DIN rail 35 x 7.5 mm x 2 m (1.4 x 0.30" x 6') slotted

Comes complete with operator's manual.

Ordering Examples: **CR02702700900**, fan heater, 550 W, 120 Vac, with adjustable thermostat 32 to 140°F, **\$155.** **CR02702701901**, fan heater, 650 W, 120V, with adjustable thermostat, 0 to 60°C, **\$174.**

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