

PTC Small Heater RC 016

These heaters are designed to prevent condensation in small enclosures or to maintain minimum operating temperatures of electronic components (for example, in camera housings, actuators, valve and pump controls, telecom receivers/transmitters, control boxes, or micro base stations).

PTC (Positive Temperature Coefficient) heating elements provide a "self-regulating" and "self-limiting" characteristic, making the heater safer and more energy efficient (also see graph below).



Technical Data RC 016

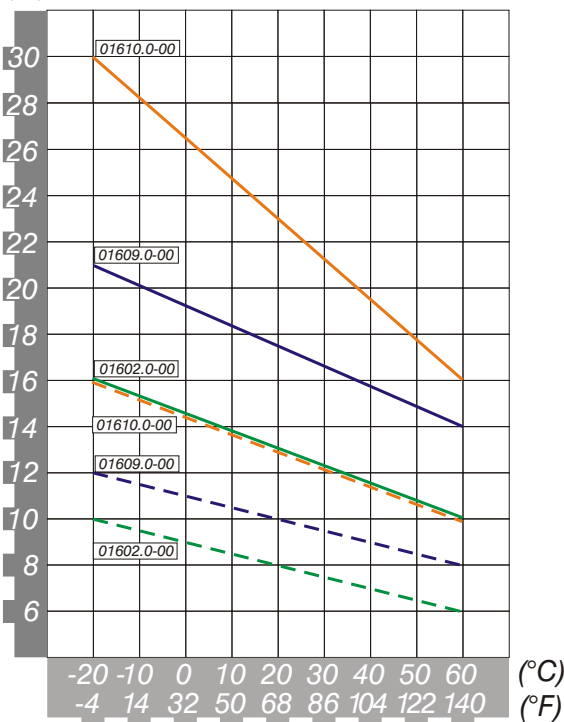
Operating voltage:	AC/DC 110 - 250 V (also available in AC/DC 24 and 48 V)
Dielectric strength:	3500 VAC 1 min.
Heating body:	Aluminum, anodized
Heating element:	PTC, self-regulating and temperature limiting
Insulation:	PTFE / Kapton
Connection:	See illustration below
Mounting:	Screw mounting
Protection class:	II (double insulated)
Protection type:	IP 32
Agency approvals:	UL, VDE

Part No.	Power at 68°F ¹⁾	Max. current (inrush)	Surface Temperature ²⁾	Weight (approx.)
01602.0-00	8W 13W*	2.0A	approx. 302°F (150°C) 212°F (100°C)*	0.7 oz. (20 g)
01609.0-00	10W 17W*	2.5A	approx. 311°F (155°C) 239°F (115°C)*	1.0 oz. (30 g)
01610.0-00	13W 23W*	3.0A	approx. 340°F (170°C) 280°F (140°C)*	1.4 oz. (40 g)

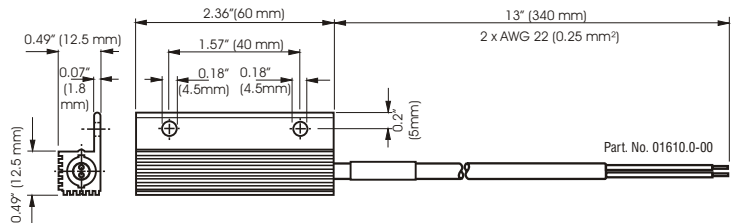
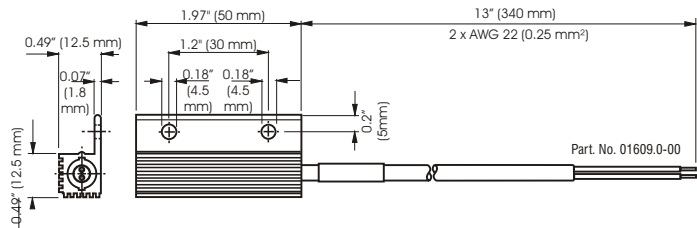
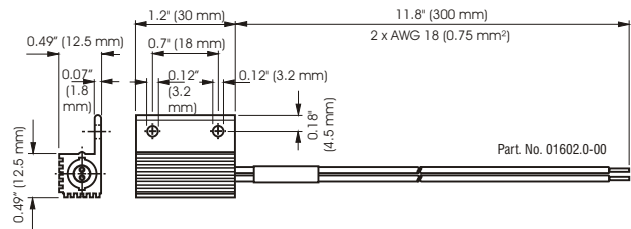
¹⁾Wattages and temperatures indicated by * were measured with heater mounted to an aluminum plate of 4 x 4 x 0.08" (100 x 100 x 2 mm) size.

²⁾Surface temperatures were measured in open air of 68°F (20°C).

Heating Power in Relation to Ambient Temperature
(W) AC/DC 110 - 250 V



--- : measured in open air
— : measured with heater mounted on 100 x 100 x 2 mm (4 x 4 x 0.08") aluminum plate



RC016-11-05/US

Specifications are subject to change without notice. Suitability of this product for its intended use and any associated risks must be determined by the end customer/buyer in its final application.