

PROMATION ENGINEERING

Precision Actuation for Industry

Cold Weather Kits Keep your actuator operational in cold weather applications



85W Heater bank installed
in P2 series actuator

Automatically compensate internal
temperatures in response to
severe external conditions

For P1 through P13 series quarter-
turn actuators, in 12V through 230V
installations, for temperatures down
to -50°F (-45°C).

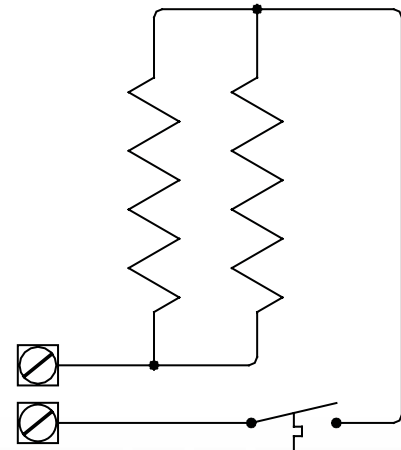
Automatic Temperature Control - Mounted onto the geartrain motor plate, the two position bi-metallic strip thermostat senses the temperature of the mechanical components and cycles the large resistance heater(s) to maintain a minimum temperature of 32°F (0°C).

Protection against wind chill - The sizing of the internal heater bank can be done with or without potential wind chill adjustments in the resistance tables. The calculations are set to compensate for up to a 45 MPH (72 kph) wind chill in -50°F (-45°C) conditions. See table on page 2.

Cold Weather Kits

Features:

- Vitreous Enamel Wirewound Power Resistors
- Fixed snap acting thermostat (ON @ 32°F, OFF @ 50°F)
(ON @ 0°C, OFF @ 10°C)
- Works independently of standard anti-condensation heater to prevent moisture buildup when above 50°F (10°C)
- Compatible with AC or DC Motors



Resistance Heating with contact plate thermostat

Product Series	Calculated heat losses for -50°F/-45°C Wind Chill*	Voltage	Supplied Wattage	Heater Configuration	Current Draw (ON)
P1	29W	12V	29W	Single	2.40A
		24V	23W	Single	0.96A
		120V	29W	Single	0.24A
		230V	26W	Single	0.12A
P2~3	85W	12V	84W	Dual	7.00A
		24V	80W	Dual	3.36A
		120V	86W	Dual	0.72A
		230V	88W	Dual	0.38A
P4~6	115W	12V	120W	Dual	10.0A
		24V	115W	Dual	4.80A
		120V	115W	Dual	0.96A
		230V	123W	Dual	0.54A
P7~8	160W	12V	144W	Dual	12.0A
		24V	172W	Dual	7.2A
		120V	154W	Dual	1.28A
		230V	159W	Dual	0.69A
P9~13	286W	12V	216W	Triple	18.0A
		24V	288W	Triple	12.0A
		120V	297W	Triple	2.48A
		230V	282W	Triple	1.23A



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16138 Flight Path Drive
Brooksville, FL 34604
Phone (352) 544-8436 Fax (352) 544-8439
email: sales@promationei.com



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