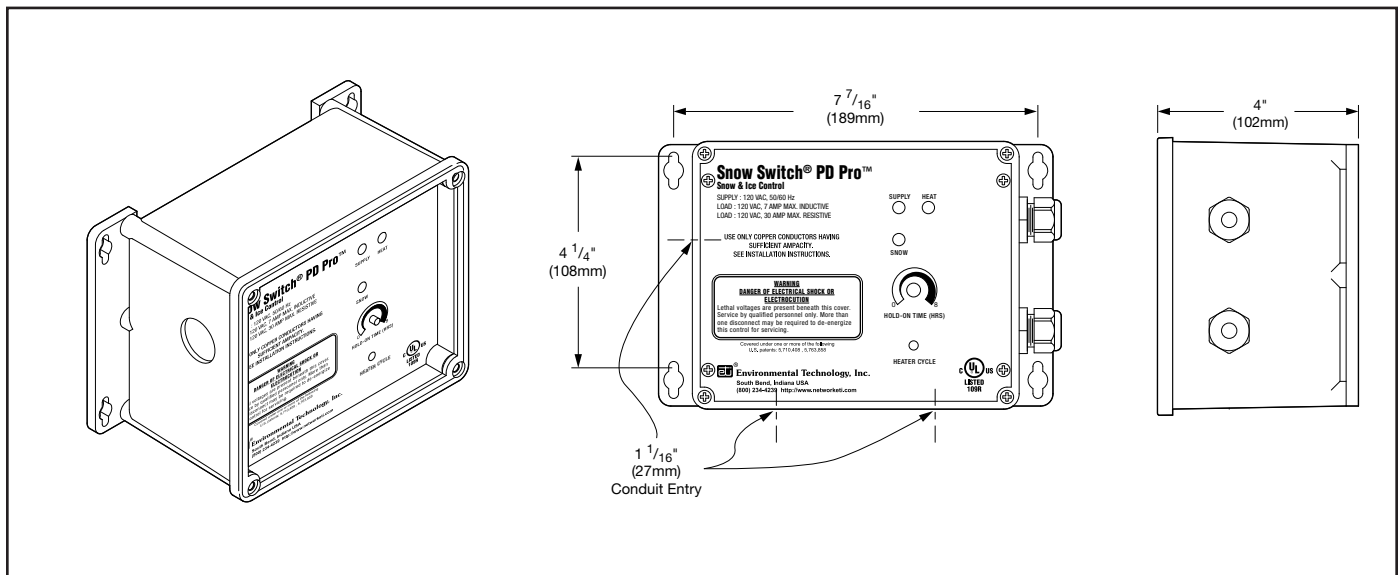


FEATURES & BENEFITS

- Automatic snow and ice melting control minimizes operating costs
- Rated for up to 7 amp inductive loads for pilot duty applications and resistive loads up to 30 amps
- Weather-resistant NEMA 4X enclosure
- UL Listed for Temperature Regulating Equipment
- Adjustable Hold-On timer continues heater operation after snow and ice stop to ensure complete melting
- Dual sensor capability to meet site performance requirements
- Automatic and manual-override operator controls for changing environmental conditions
- Optional remote control operation for added convenience



DESCRIPTION

The Snow Switch Model PD Pro is an automatic snow and ice melting control system. Utilizing standard Environmental Technology snow and ice sensors (sold separately), applications include snow and ice detection and melting for pavement, sidewalks, loading docks, roofs, gutters and downspouts in commercial and residential environments.

The PD Pro interfaces with up to two standard Environmental Technology sensors to meet site requirements. The CIT-1, GIT-1, and SIT-6E sensors reliably detect snow and ice melting in gutter and pavement applications. The CIT-1 aerial snow sensor detects falling or blowing precipitation before snow or ice begin to form, allowing the control to begin managing the system. The CIT-1

sensor may be roof or mast mounted and can be paired with the GIT-1 sensor for gutter applications or the SIT-6E sensor for pavement applications. All three sensors detect precipitation as snow at temperatures below 38°F (3.3°C). The PD Pro is signaled only if moisture occurs below this temperature, saving energy and ensuring thorough snow and ice melting. Since 1968, these sensors have been the industry's most versatile and cost-effective automatic snow melting control sensors.

The PD Pro features automatic and manual-override operator controls. The adjustable Hold-On timer continues heater operations up to 8 hours after snow or ice conditions end to ensure complete melting. The Heater Cycle control button allows manual initiation or cancelation of a heating cycle. The optional RCU-3 remote control

unit can be located for convenient monitoring and control. These flexible control options provide complete snow melting and water evaporation at a low operating cost.

The PD Pro weighs only 3 pounds and measures 5 1/2" (L) x 8 1/8" (W) x 4 3/8" (H). Comprehensive instruction manuals simplify installation and operation. These products are also supported by Environmental Technology Technical Support.

The PD Pro is a capable snow and ice control for medium-sized applications whose features and power requirements do not require an APS or EUR Series control panel. For complete information describing application, installation, and features, please contact Environmental Technology Customer Service or visit our website at www.networketi.com.

SPECIFICATIONS

General

Area of use	Nonhazardous locations
Approvals	 Type 873 Temperature Regulating Equipment

Enclosure

Protection	NEMA 4X
Cover attachment	Polycarbonate with machine screws
Entries	2 x 3/4" entry (bottom right) for NEC Class 2 connections 3 x 1-1/16" entries (bottom left and left) for supply and load power
Material	Polycarbonate
Mounting	Wall mount
Dimensions	5 1/2" (L) x 8 1/8" (W) x 4 3/8" (H) / 140mm (L) x 207mm (W) x 112mm (H)

Control

Supply voltage	120 VAC; 50/60 Hz
Load	7 amp maximum inductive 30 amp maximum resistive
Contact type	2 Form A
Weight	3 Pounds (not including sensors)
Maximum ratings	Voltage: 120 VAC Current: 30 amps
Heater Hold-On timer	0 to 8 hours; actuated by snow stopping or toggle switch
System test	Switch toggles heater contact on and off. If temperature exceeds optional high limit thermistor (45°F), heater shuts off to reduce costs and prevent damage.

Front Panel Interface

Status indicator	SUPPLY (green): Power on HEAT (yellow): Heating cycle in progress SNOW (yellow): Sensor(s) detect snow
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Snow/Ice Sensors

Maximum quantity	2 ETI sensors
Circuit type	NEC Class 2
Lead length	Up to 500' (152m) using 18 AWG 3-wire jacketed cable Up to 2,000' (609m) using 12 AWG 3-wire jacketed cable

Wire and Cable Ratings

Power cable	Size for heater load (30 amps maximum)
Sensor wiring	#18 AWG jacketed, 3-conductor
Heater cable	Size for maximum heater load
Remote wiring	#22 AWG jacketed, 2-conductor

Environmental

Operating temperature	-31°F to 130°F (-35°C to 55°C)
Storage temperature	-67°F to 167°F (-55°C to 75°C)

ORDERING INFORMATION

Order Number	Description
23736	PD Pro
23735	PD Pro Installation and Operations Manual
Accessories	
21357	RCU-3 Remote Control (Optional)
19272	High Temperature Sensor w/ 20' (6m) lead (Optional)
Snow/Ice Sensors (Not Included)	
10001	CIT-1 Aerial Snow Sensor
11351	GIT-1 Gutter Ice Sensor
20756	SIT-6E Pavement Mounted Snow and Ice Sensor

LIMITED WARRANTY

ETI's two year limited warranty covering defects in workmanship and materials applies. Contact Customer Service for complete warranty information.

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