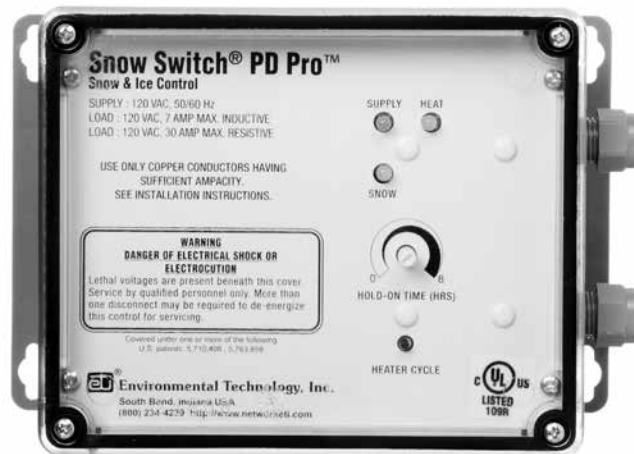


## PD Pro Snow Switch

- **Automatic Snow and Ice Melting Control Minimizes Operating Costs**
- **Supply Voltage 100-277 V**
- **Rated for Up To 7 Amp Inductive Loads for Pilot Duty Applications**
- **Loads Up To 30 Amps**
- **Weather-Resistant NEMA 4X Enclosure**
- **C-UL-US Listed for Temperature Regulating Equipment**
- **Adjustable Hold-On Timer Continues Heater Operation After Snow and Ice Discontinue 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.

SNOW MELTING  
CONTROLS

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SIT is a trademark of Environmental Technology, Inc.

## PD Pro

### Snow Switch *(cont'd.)*

#### *Specifications*

##### **General**

Area of use Nonhazardous locations

##### **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) for supply & 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 100-277 VAC; 50/60 Hz  
 Load 7 Amp maximum inductive  
 30 Amp resistive  
 Contact Type 2 Form A (NO)  
 Weight 3 Pounds (not including sensors)  
 Maximum Ratings Voltage: 277 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

##### **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**

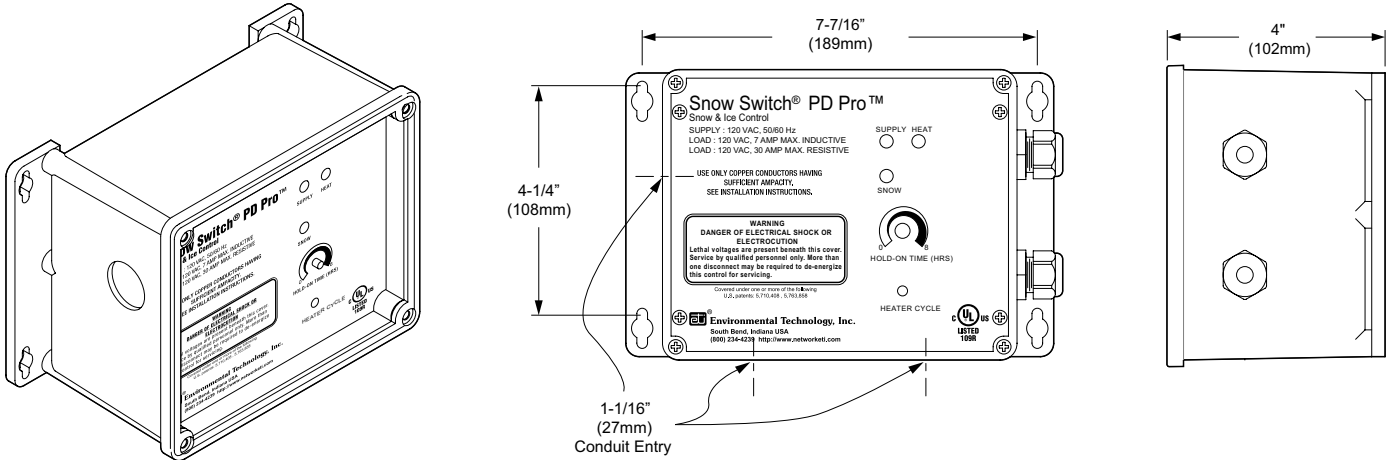
Power Cable Size for heater load (30 Amps maximum)  
 Sensor Wiring #18 AWG jacketed, 3-conductor  
 Heater Cable Size for maximum heater load  
 Remote Wiring #22 AWG jacketed, 2-conductor

##### **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)

## PD Pro Snow Switch (cont'd.)

### Dimensions



### Specifications and Ordering Information

Model Number	PCN
PD Pro	390010
<b>Accessories</b>	
RCU-3 Remote Control (Optional)	389773
<b>Snow/Ice Sensors (Not Included)</b>	
CIT-1 Aerial Snow Sensor	389749
GIT-1 Gutter Ice Sensor	389757
SIT-6E Pavement Mounted Snow and Ice Sensor	389765
<b>To Order</b> —Specify model, PCN and quantity.	

SNOW MELTING  
CONTROLS