


ProMelt® Smart Panel

ProMelt PMSP-100 and PMSP-200 Panels

⚠ WARNING

 **Read this Manual BEFORE using this equipment.**
Failure to read and follow all safety and use information can result in death, serious personal injury, property damage, or damage to the equipment.
Keep this Manual for future reference.

THINK SAFETY FIRST

The ProMelt Smart Panel now offer integrated Wi-Fi control built in, to allow you to access your system from anywhere, anytime with the Watts Home App. Simplified installation process with easy connections and integrations.

Installation

Wiring CP series panels

1. Provide 120, 208, 240, 277 VAC circuits to the panel contactor(s) Line1 and Line2 terminals as required by the rating of the ProMelt snow melting mats/cables connected to this circuit.
2. Provide 120 VAC for the ProMelt Smart Controller.
3. Make wire connection between the Load1 and Load2 terminals and the ProMelt mats/cables. More than one mat/cable intended to be connected to the same contactor should first be connected together in parallel at a junction box. Then run lead wires to the terminals.

Wiring ProMelt Smart Panel to the PMSub-200 extension panel

A PMSub-200 panel can be used in conjunction with another panel to serve as an "extension panel". This subpanel then turns on at the same time as the main panel. Up to four subpanels can be added. Follow the steps below for proper installation:

1. Wire the PMSub-200 extension panel in the same manner as the main panel (see steps 1 and 3 above).
2. Use 18 AWG wire to connect "Melt 120V" and "N" between panels.

Call customer service if you need assistance with technical details.

CONTROL DESCRIPTIONS		
CONTROL	ORDER #	DIMENSIONS
PMSP-100	81021020	20" x 12" x 8 7/8"
PMSP-200	81021021	20" x 12" x 8 7/8"
PMSub-200 (no controller)	81021022	20" x 12" x 6"



The ProMelt Smart Panel is available in 100A and 200A versions.

⚠ WARNING

- This unit should be installed only by qualified personnel and in accordance with local building codes, the National Electrical Code, or Canadian Electrical Code.
- Disconnect power from all circuits prior to making any connections.
- Disconnect all power from the control before opening the front cover plate.
- Do not energize circuits until all connections are made and all ProMelt mats/cables are fully installed and covered as required.
- Read and follow the installation instructions for both the ProMelt snow melt mat/cable and the ProMelt sensor.
- Mount the panel indoors on a wall or equivalent. Properly secure the panel to the wall. Do not place in a confined air space where heat is not able to escape, such as a small closet.
- This panel, as well as all conduit, junction boxes, and other associated items, must be bonded to ground per applicable code.

Operation

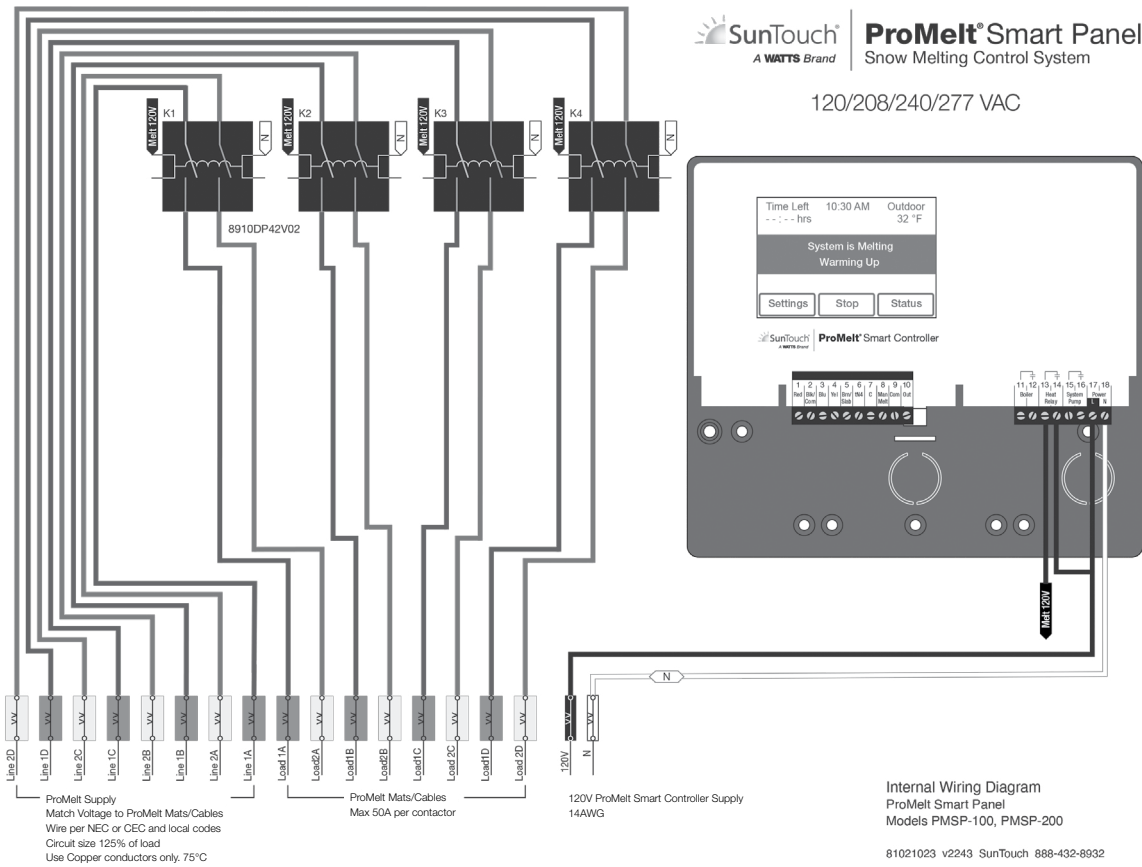
Once all wiring connections have been completed, the sensor and ProMelt mats/cables have been fully installed, and any inspections made as required per local code, energize the circuit breaker(s) supplying the panel.

Refer to the IOM for the ProMelt Smart Controller.

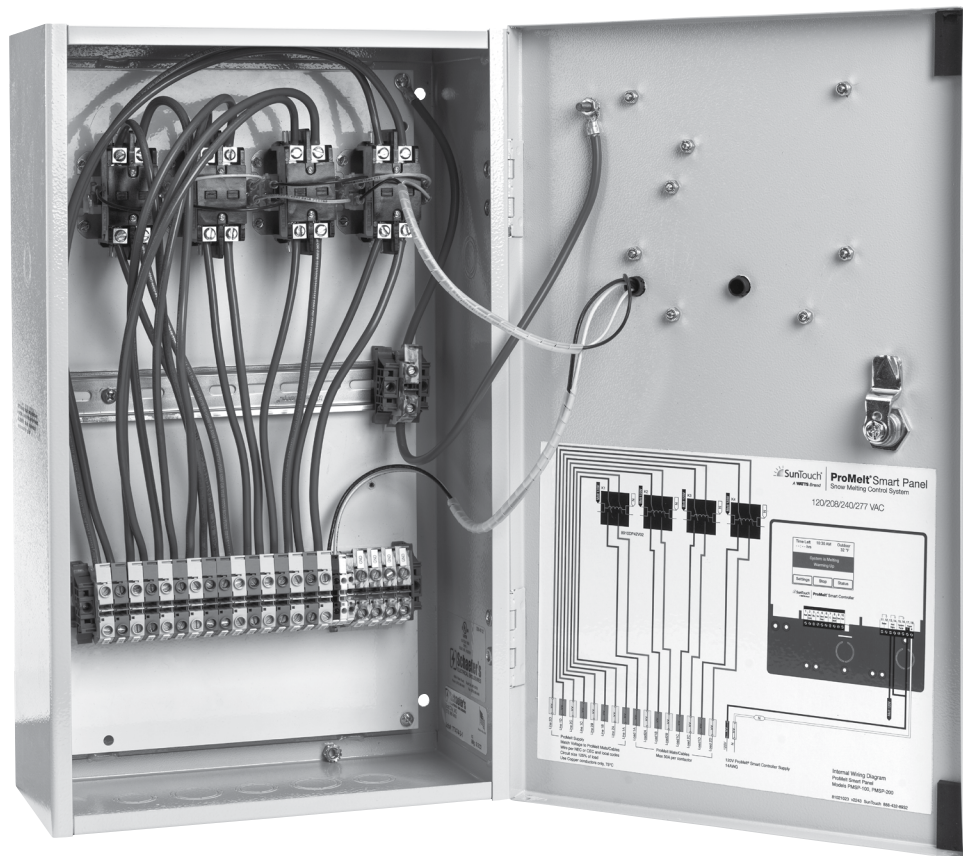


NOTICE

Do not manually energize the ProMelt mats/cables with outdoor temperatures above 68°F (20°C) except for a brief test up to 10 minutes in duration. Damage to the mats/cables or slab/surface materials may result.



Line1, Line2	120,208,240,277 VAC	12 AWG (Minimum)
120V, N	120 VAC	14 AWG
Contactors	50A Resistive load	
Compatible Sensors	Outdoor Sensor (provided)	18 AWG
	090	
	095	
	072	
Approvals	File E483460, UL 508A, CAN/CSA-C22.2 No. 14 CSA C US, meets class B: ICES & FCC Part 15	
Environment	Indoor, NEMA 1 enclosure, operating temperature -4°F to 122°F (-20°C to 50°C) < 90% RH non-condensing	



Limited Warranty: SunTouch (the "Company") warrants each product to be free from defects in material and workmanship under normal usage for a period of one year from the date of original shipment. In the event of such defects within the warranty period, the Company will, at its option, replace or recondition the product without charge. THE WARRANTY SET FORTH HEREIN IS GIVEN EXPRESSLY AND IS THE ONLY WARRANTY GIVEN BY THE COMPANY WITH RESPECT TO THE PRODUCT. THE COMPANY MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED. THE COMPANY HEREBY SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

The remedy described in the first paragraph of this warranty shall constitute the sole and exclusive remedy for breach of warranty, and the Company shall not be responsible for any incidental, special or consequential damages, including without limitation, lost profits or the cost of repairing or replacing other property which is damaged if this product does not work properly, other costs resulting from labor charges, delays, vandalism, negligence, fouling caused by foreign material, damage from adverse water conditions, chemical, or any other circumstances over which the Company has no control. This warranty shall be invalidated by any abuse, misuse, misapplication, improper installation or improper maintenance or alteration of the product.

Some States do not allow limitations on how long an implied warranty lasts, and some States do not allow the exclusion or limitation of incidental or consequential damages. Therefore the above limitations may not apply to you. This Limited Warranty gives you specific legal rights, and you may have other rights that vary from State to State. You should consult applicable state laws to determine your rights. SO FAR AS IS CONSISTENT WITH APPLICABLE STATE LAW, ANY IMPLIED WARRANTIES THAT MAY NOT BE DISCLAIMED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO ONE YEAR FROM THE DATE OF ORIGINAL SHIPMENT.



A WATTS Brand

USA: T: (888) 432-8932 • SunTouch.com

Canada: T: (905) 332-4090

Latin America: T: (52) 55-4122-0138