

## For Residential and Commercial Snow Melt Applications

Job Name \_\_\_\_\_

Contractor \_\_\_\_\_

Job Location \_\_\_\_\_

Approval \_\_\_\_\_

Engineer \_\_\_\_\_

Contractor's P.O. No. \_\_\_\_\_

Approval \_\_\_\_\_

Representative \_\_\_\_\_

# ProMelt® PM-HSC5 Slab Sensor

## Remote Snow/Ice Slab Sensor

The PM-HSC5 is a 24 volt, self contained snow and ice detector intended to be installed in a concrete slab or other masonry material. Each PM-HSC5 is designed to operate on supplied 24 V power. The snow sensor is heated to allow for snow, ice, or freezing rain to melt, allowing proper detection of environmental conditions.

## Specifications

<b>Supply Voltage</b>	24 VAC
<b>Slab Trigger Temperature</b>	38°F (3.3°C)
<b>Run Time</b>	5 hour, fixed
<b>Power</b>	1 VA cont., 5 VA max.
<b>Housing Material</b>	ABS Plastic
<b>Sensor Material</b>	Brass

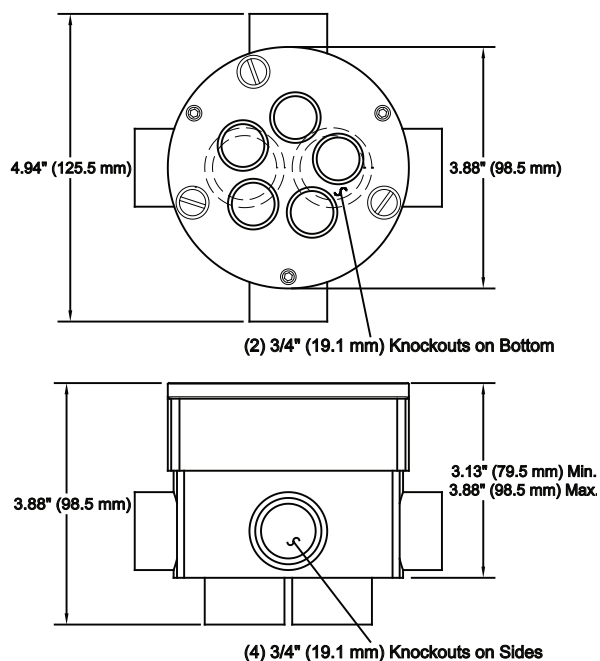
## Installation Parameters

The PM-HSC5 sensor should be mounted in a concrete slab or other masonry material so that the top of the sensor is level with the surrounding surface. Sensor height may be adjusted by removing three protective Allen-head screws and rotating the adjustment screws, raising or lowering the height adjustment ring.

Sensor should be placed in a location that is exposed to traffic, helping to keep the sensor surface clean of debris. The sensor can be placed in any location as long as the moisture grid is exposed to a clear view of the sky and any precipitation. However, it is best to locate the sensor within the heated zone, or next to it, to allow more direct detection of the conditions in that area. Do not install the sensor where it will not be exposed to the elements, such as under parked vehicles. The moisture grid should not be mounted directly under trees, bushes, overhangs, or other obstructions that can block precipitation from reaching the moisture grid. When installing the PM-HSC5 in asphalt it is necessary to encapsulate the sensor housing in a 12" x 12" (304.8 mm x 304.8 mm) concrete pad.

The PM-HSC5 measures pavement temperature by compensating for its internal heating element. This eliminates the cost and complexity of a separate pavement temperature sensor.

Wire the controller in accordance to provided schematics.



The PM-HSC5 is a slab mounted snow detector, designed to be embedded in a concrete slab, or other masonry material.

### ⚠ WARNING: General Safety Instructions

1. THIS UNIT SHOULD BE INSTALLED ONLY BY QUALIFIED PERSONNEL!
2. Disconnect all power from the control, or any associated equipment, before removing the Blank Cover or the Slab Sensor.
3. Limit input voltage to 24 VAC.

✓	Description	Order #
	PM-HSC5 Sensor	81012644

### ⚠ CAUTION

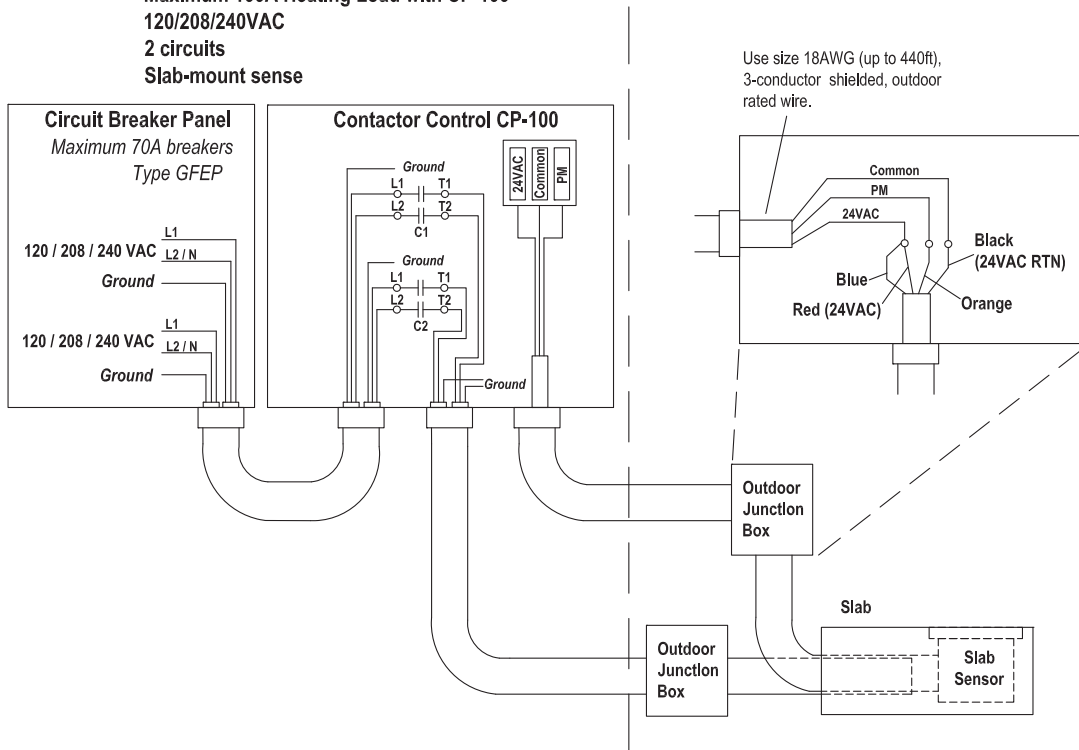
This Engineering Sheet is not intended to provide full installation instructions and safety information. In order to avoid property damage or injury, please refer to the complete installation manual and product safety information provided with the product.

**WattsRadiant™**  
Floor Heating & Snow Melting

A Watts Water Technologies Company

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Maximum 100A Heating Load with CP-100  
 120/208/240VAC  
 2 circuits  
 Slab-mount sense



PM-HSC5 Wiring Schematic

