

Uponor

RADIANT HEATING
SYSTEMS

SNOW MELT ENABLE KIT

TECHNICAL BULLETIN



Application

The Snow Melt Enable Kit (A3040039) allows the user to start and stop a snow and ice melting system. In addition, the Snow Melt Enable Kit allows the user to adjust the running time of the snow-melting system. The kit includes the Snow Melt Enable Control, one Slab Sensor (A3060072) and one Universal Sensor (A3060071).

An indicator light on the face of the control provides a visual indication to the current operation status of the snow-melting system. This Snow Melt Enable Kit is designed to work specifically with the Uponor proMIX™ 212, SYSTEMpro™ 311 or SNOWpro™ 411 reset controls. Read the proMIX 212, SYSTEMpro 311 or SNOWpro 411 installation manuals for detailed information regarding the installation and operation of the

Snow Melt Enable Kit with these reset controls.

Part Number
A3040039

Installation Note: Do not apply power to the Snow Melt Enable Kit. Wire this control directly to the respective reset control. The connection between the reset control and the Snow Melt Enable Kit is polarity sensitive. The Com terminal of the Snow Melt Enable control must connect to the appropriate terminal on the reset control. If the wires are reversed, the Snow Melt Enable control will not function, and the reset control will display a short circuit error for the tN2 device.



Technical Data

Packaged Weight 0.22 lb. (100g)

Enclosure White PVC plastic

Dimensions

2 $\frac{1}{8}$ " H x 2 $\frac{7}{8}$ " W x 1 $\frac{3}{16}$ " D
(73 x 73 x 21mm)

Approvals

CSA NRTL/C (meets DOC and FCC regulations for EMI/RFI)

Ambient Conditions

Indoor use only, 32 to 122°F (0 to 50°C), < 90% RH non-condensing

Power Supply

proMIX 212, SYSTEMpro 311 or SNOWpro 411

Note: Do not use the Snow Melt Enable Kit with the proMIX 101 or proMIX 201, which do not support a tN2 device.

Operation

To start the snow-melting system, press and release the button on the face of the control.

Indicator Light

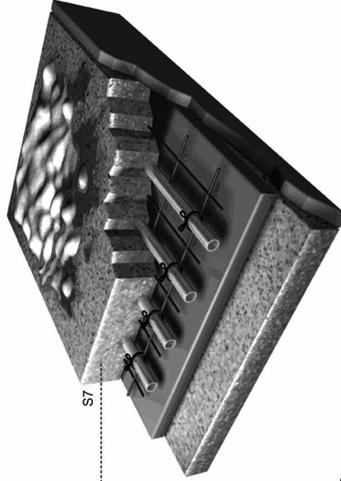
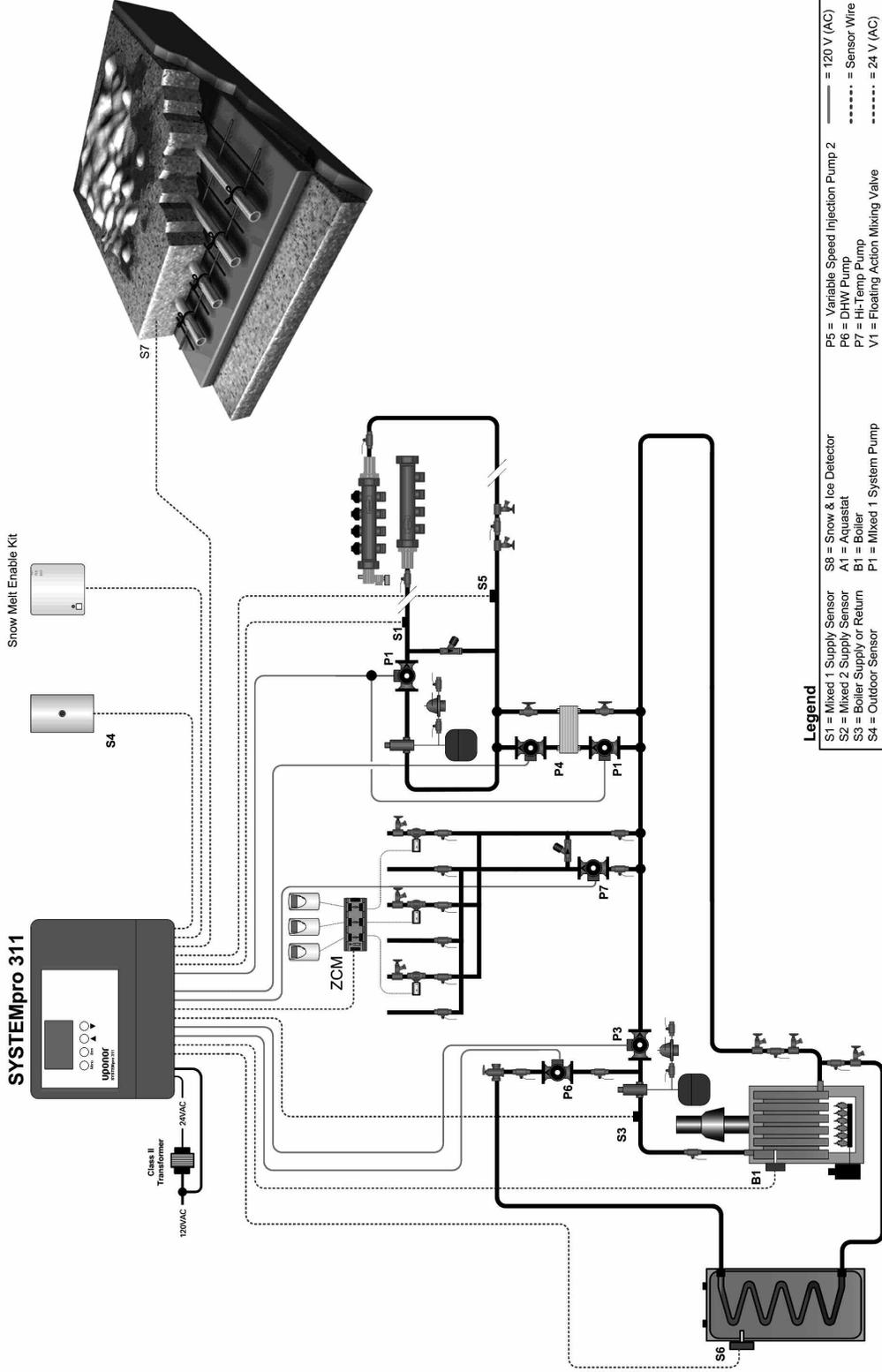
An indicator light is located on the face of the control to provide a visual indication of the current operating status of the snow-melting system.

Stopping the Snow-melting System

To stop the snow-melting system when it is running, press and release the button on the face of the control.

Indicator Light Definitions

Flashing Green Indicator	Indicates the snow-melting system is coming up to its desired snow-melting temperature.
Solid Green Indicator	Indicates the snow-melting system is operating at its desired snow-melting temperature.
Solid Red Indicator	After pushing the control button to stop snow-melting operation, a solid red indicator light displays on the face of the control for five seconds. If the user stops the snow-melting system while there is still an external demand for snow melting, the control displays a solid red indicator light until the external demand is removed.
Flashing Red Indicator	A flashing red indicator light indicates an error with the Snow Melt Control. Refer to the proMIX 212, SYSTEMpro 311 or SNOWpro 411 installation manuals for troubleshooting information.



Legend

- S1 = Mixed 1 Supply Sensor
- S2 = Mixed 2 Supply Sensor
- S3 = Boiler Supply or Return
- S4 = Outdoor Sensor
- S5 = Mixed 1 Return Sensor
- S6 = DHW Sensor
- S7 = Slab Sensor
- S8 = Snow & Ice Detector
- A1 = Aquastat
- B1 = Boiler
- P1 = Mixed 1 System Pump
- P2 = Mixed 2 System Pump
- P3 = Boiler Pump
- P4 = Variable Speed Injection Pump 1
- P5 = Variable Speed Injection Pump 2
- P6 = DHW Pump
- P7 = Hi Temp Pump
- V1 = Floating Action Mixing Valve
- T = Thermostat or Heat Demand
- _____ = 120 V (AC)
- = Sensor Wire
- = 24 V (AC)
- = T-slat Wire
- _____ = Misc.

<p>NOTE: This drawing is conceptual only, not an engineered drawing. It is up to the system designer to determine the necessary components for and the proper installation of the equipment. Mechanical considerations shall be followed. Local codes and trade practices must be followed.</p>					
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