

Job or Customer :	
Location :	
Engineer :	
<input type="checkbox"/> Complies with Spec <input type="checkbox"/> Alternate	Notes :
Contractor :	
HeatLink Rep :	
Submitted By :	Date :
Approved By :	Date :
P.O. Number :	Date :

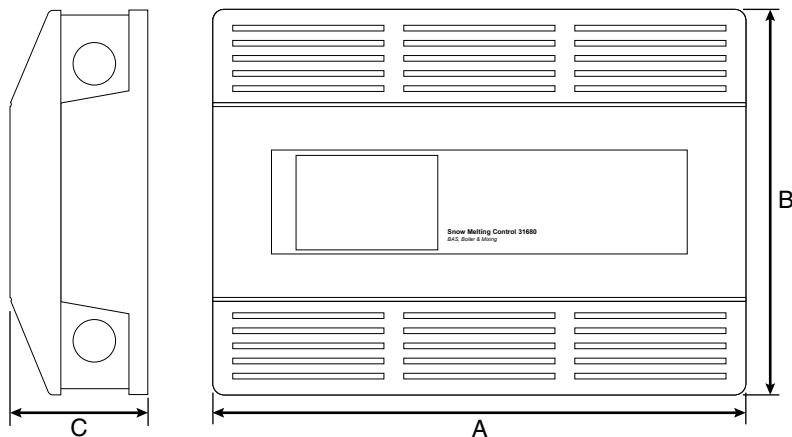
Description

The 31680 Snow Melting Control is designed to control a single zone snow melting system. Up to two Snow/Ice Sensors (#30090) can be connected, allowing for a larger detection area and redundancy. The control automatically adjusts the mixed supply water to the snow melting system by controlling a variable speed injection pump or mixing valve. The 31680 control includes a large Liquid Crystal Display (LCD) in order to view system status and operating information.

Technical Data

Display:..... 3-1/4", color touchscreen, 320 x 205 pixels
 Enclosure:..... PC+ABS plastic with steel conduit connection walls, NEMA type 1
 Ambient conditions:..... Indoor use only, 32 to 122°F (0 to 50°C), < 90% RH non-condensing
 Power supply:..... 115 Vac ±10%, 60 Hz, 43 VA standby, 320 VA max
 Primary, system pump relays:..... 230 Vac, 10 A, 1/2 hp
 Boiler pump relay:..... 230 Vac, 5 A, 1/3 hp
 Boiler stage relays:..... 230 Vac, 5 A
 Boiler modulating output:..... 0-10 Vdc 500 Ω min impedance / 4-20 mA 1 kΩ max impedance
 Injection mixing pump:..... 230 Vac, 2.4 A
 Floating mixing output:..... 230 Vac, 5 A
 Analog mixing output:..... 0-10 Vdc 500 Ω min impedance / 4-20 mA 1 kΩ max impedance
 Flow sensor:..... 4-20 mA, 20 Vdc power supply by control
 Pressure sensor:..... 0.5-4.5 Vdc ratiometric, 10 kΩ min load, 5 Vdc power supply by control
 Communications:..... BACnet IP, BACnet MSTP, Modbus MSTP
 Sensors:..... NTC thermistor, 10 kΩ @ 77°F (25°C ±0.2°C) β=3892
 Included:..... Outdoor Sensor 30070 and Universal Sensor ×3
 Optional:..... 30071, 30072, 30073, 30090

Qty	Stk. #	Dimension			Weight
		A	B	C	
	31680	11-1/8" (282 mm)	8-1/16" (204 mm)	2-15/16" (74 mm)	6.5 lb (2.96 kg)



Standards / Listings

CSA C US, meets class B: ICES & FCC
Part 15, BTL Listed

Installation

Installation of must follow all of HeatLink's instructions and guidelines, including those in the installation instructions.

Related Documents

- HeatLink Limited Heating Warranty

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