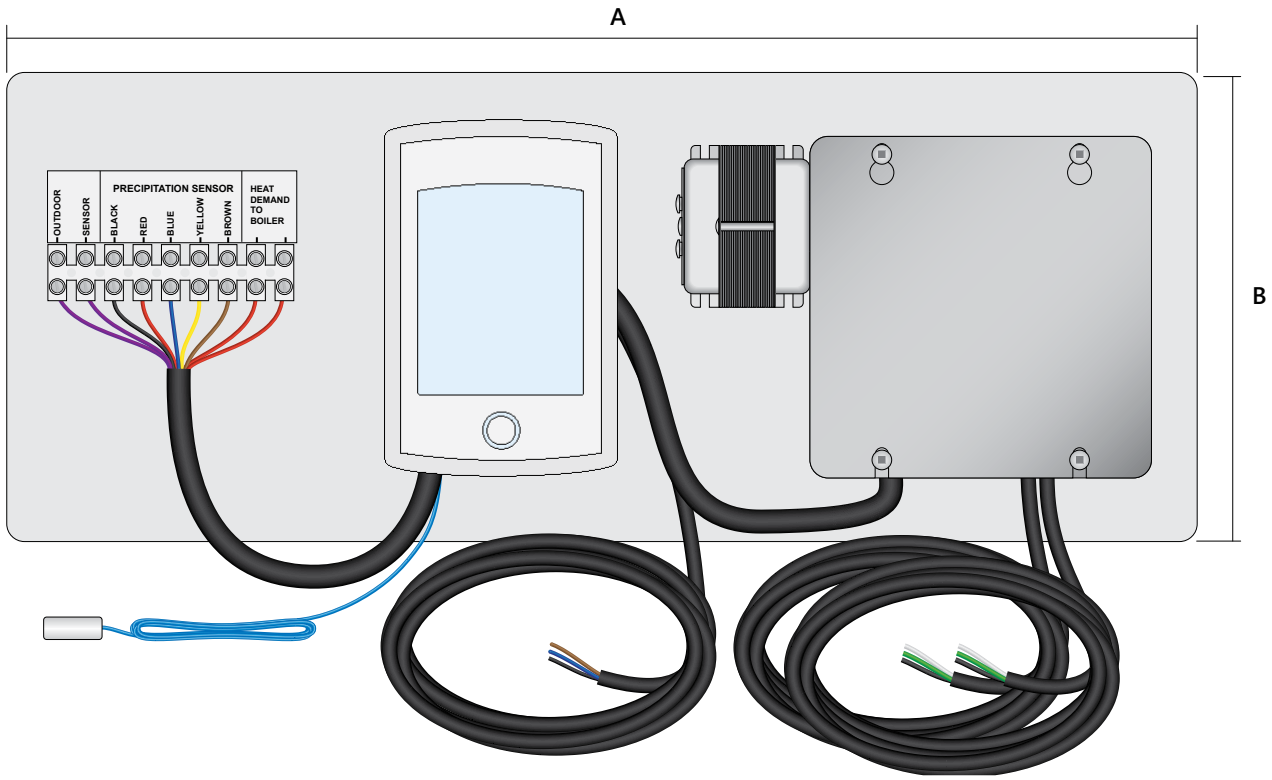
Job or Customer :	
Location :	
Engineer :	
☐ Complies with Spec ☐ Alternate	Notes :
Contractor :	
HeatLink Rep :	
Submitted By :	Date :
Approved By :	Date :
P.O. Number :	Date :

Description

The SMCP-654 Snow Melting Control Package includes the 30654 snow melt control mounted on a backplate with primary and secondary pump wiring, wired terminal strip, relays (in relay box), 24V transformer, an outdoor sensor (#30070) and a universal sensor (#30071), and is designed to control a single zone snow melting system. Using a Snow/Ice Sensor (#30090, sold separately) the control automatically adjusts the mixed supply water to the snow melting system by controlling a variable speed injection pump or mixing valve. The 30654 control includes a large Liquid Crystal Display (LCD) in order to view system status and operating information.

The SMCP-654PWM version adds wiring connections on the terminal strip for a modulating boiler.

Qty	Stk #	A	B	Depth	Wire Lengths	Weight
	SMCP-654 SMCP-654PWM	16" (406 mm)	10 ½" (267 mm)	3" (76 mm)	~15" (381 mm)	7.25lb (3.29kg)



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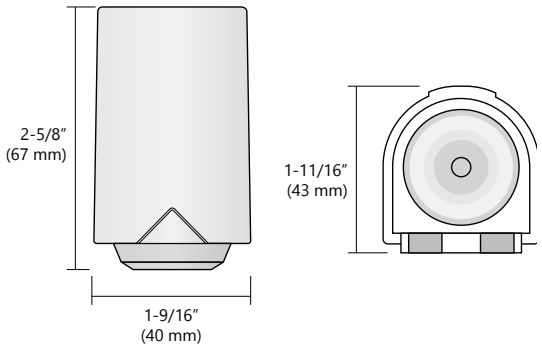
Technical Specifications

30654 - Snow Melt Control

Specifications	
Control	Microprocessor control. This is not a safety (limit) control
Enclosure	White PVC plastic, NEMA type 1
Ambient Conditions	-4 to -22ºF (-20 to 50ºC), <90% RH non-condensing, outdoor use permitted when installed inside a NEMA 3 enclosure
Power Supply	24V(ac) ±10%, 60Hz, Class 2, 16VA standby, 100VA fully loaded
Relay Capacity	24V(ac) 2A, 3.6A combined
Modulating output	0-10V(dc), 500 Ω minimum impedance, 4-20mA 1 kΩ max load impedance
Sensors	NTC thermistor, 10 kΩ @ 77ºF (25ºC ±0.2ºC) ß=3892
- Included	Outdoor sensor 30070, Universal sensor 30071
- Required	Snow/ice detector 30090 and sensor socket 30091
- optional	30072

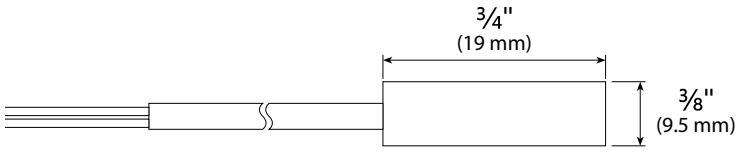
30070 Outdoor Sensor

Specifications	
Enclosure	White PVC plastic, NEMA type 2
Sensor	NTC thermistor, 10 kΩ @ 77°F (25°C ±0.2°C) ß=3892
Range	-60 to 140°F (-51 to 60°C)
Weight	0.17lb (0.077kg)



30071 Universal Sensor

Specifications	
Sensor	NTC thermistor, 10 kΩ @ 77°F (25°C ±0.2°C) ß=3892
Range	-60 to 255°F (-51 to 125°C)
Sleeve	Brass
Cable	10" (250mm) XLPE wire
Weight	0.1lb (0.05kg)



Installation

Installation must follow all of HeatLink's instructions and guidelines.

Related Documents

• HeatLink Limited Heating Warranty

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