

PRODUCT SUBMITTAL 617

WiFi Snow Melting Control



Product: WiFi Snow Melting Control with Boiler and Mixing Control (670)

Date: 01 October 2019 (supersedes 15 July 2018)



Article No.	Description
425151-001	WiFi Snow Melting Control with Boiler and Mixing Control (670)

TECHNICAL DESCRIPTION

Ambient conditions:	-4 to 122°F (-20 to 50°C), <RH 90% non-condensing, outdoor use permitted when installed inside a NEMA 3 enclosure
Boiler modulation output:	0-10 V(dc) 550 Ω min impedance / 4-20 mA 1k Ω max impedance
Injection mixing output:	230 V(ac), 2.4 A, 1/6 hp, fuse T2.5 A 250V
Floating mixing output:	230 V(ac), 5 A
Analog mixing output:	0-10 V(dc) 500 Ω min impedance / 4-20 mA 1k Ω max impedance
Power supply:	115 V(ac) +/- 10%, 60 Hz, 20 VA
Relays:	230 V(ac), 5 A, 1/3 hp
Control:	Microprocessor control. This is not a safety (limit) control
Display:	3.5" color touchscreen
Enclosure:	Blue PVC plastic, NEMA type 1
Dimensions:	6 5/8 in. H x 7 9/16 in. W x 2 13/16 in. D (17.0 x 19.3 x 7.2 cm)
Packaged Weight:	4.3 lb. (1960 g)
Approvals:	CSA C US, meets class b: ICES & FCC Part 15
Mobile App:	Apple iOS 9 or higher, Android 5 or higher
Communications:	Wi-Fi 802.11 n, 2.4 GHz, WPA2 encryption
Sensors Included:	Outdoor Sensor 070 (Art. 236207-001) and 2 of Universal Sensor 082

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FUNCTIONAL DESCRIPTION

The Wi-Fi Snow Melting Control 670 operates hydronic heating equipment designed to melt snow and/or ice from roads and walkway surfaces. This control works with the 090 Snow/Ice Sensor (Art. 236357-001) or 095 Aerial Snow Sensor (Art. 315836-001) to automatically detect snow or ice and operates a single boiler to supply heat to the slab. Boiler return protection is provided to non-condensing boilers using a mixing valve or variable speed injection mixing pump. The mobile application allows for remote operation and monitoring of the SIM system.

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