

# Submittal

## WiFi Snow Melting Control 670



Zoning

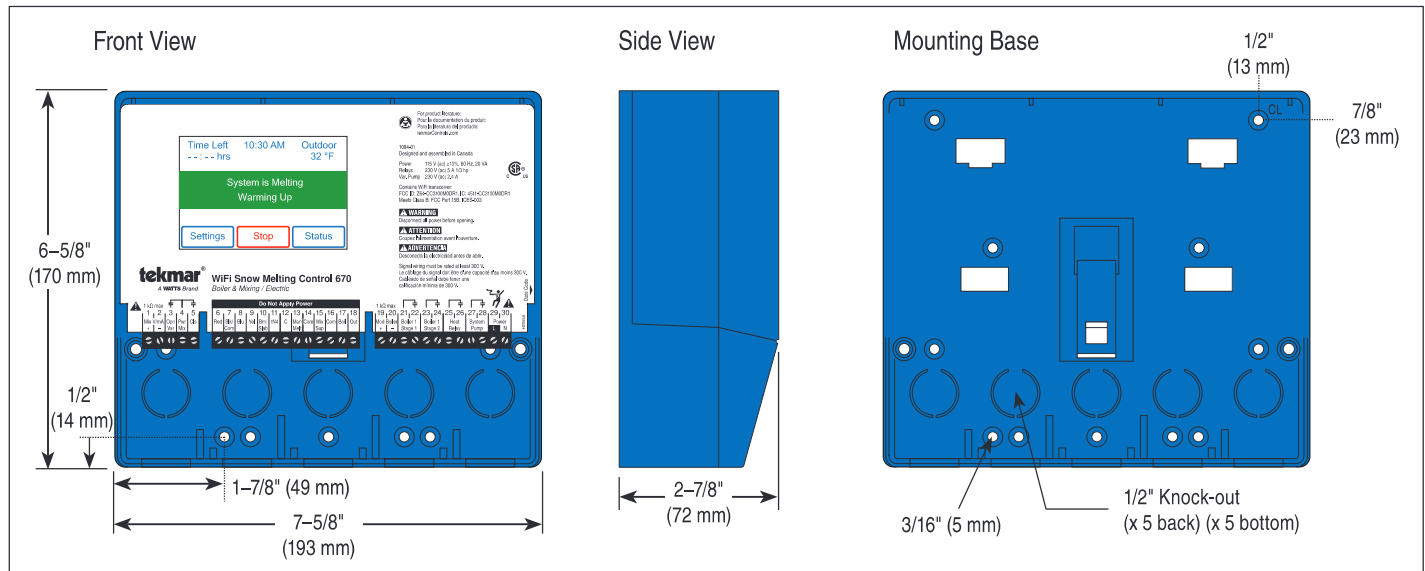
**670\_C**

01/18

Replaces: 10/16

Job \_\_\_\_\_ Designer \_\_\_\_\_ Contact \_\_\_\_\_

The WiFi Snow Melting Control 670 operates hydronic and electric heating equipment designed to melt snow and/or ice from roads and walkway surfaces. The control works with the tekmar Snow/Ice Sensor 090 or Snow Sensor 095 to automatically detect snow or ice and operates a single boiler, steam valve, or electric cable 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 tekmar Connect mobile application allows for remote operation and monitoring of the snow melting system from anywhere in the world.



### Specifications

WiFi Snow Melting Control 670 Boiler & Mixing / Electric	
Literature	670_A, 670_C, 670_D, 670_J, 670_U
Control	Microprocessor control. This is not a safety (limit) control
Packaged weight	4.3 lb. (1960 g)
Dimensions	6-5/8" H x 7-9/16" W x 2-13/16" D (170 x 193 x 72 mm)
Display	3.5" color touchscreen
Enclosure	Blue PVC plastic, NEMA type 1
Approvals	CSA C US, meets Class B: ICES & FCC Part 15
Ambient conditions	-4 to 122°F (-20 to 50°C), < RH 90% non-condensing, outdoor use permitted when installed inside a NEMA 3 enclosure
Power supply	115 V (ac) ±10%, 60 Hz, 20 VA
Relays	230 V (ac), 5 A, 1/3 hp
Boiler modulation output	0-10 V (dc) 500 Ω min impedance / 4-20 mA 1 kΩ 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 1 kΩ max impedance
Manual melt call	Short or 0 - 32 V(ac)
Communications	WiFi 802.11n, 2.4 GHz, WPA2 encryption
Mobile app	Apple iOS 9 or higher, Android 5 or higher
Sensor	NTC thermistor, 10 kΩ @ 77°F (25°C ±0.2°C) β=3892
—Included	Outdoor Sensor 070 and 2 of Universal Sensor 082
—Optional	tekmar type # 072, 073, 082, 090, 094, 095
Warranty	Limited 3 Year (See 670_D for full warranty)

### Features

- Mobile app for iOS and Android
- Automatic software updates
- Automatic snow/ice detection
- Supports both inslab & retrofit aerial sensors
- Supports multiple zones with priority
- Idling
- Auto Storm
- Warm Weather Shut Down
- Cold Weather Cut Off
- EconoMelt
- Slab Protection
- Tandem Snow/Ice Detection
- Equipment exercising

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