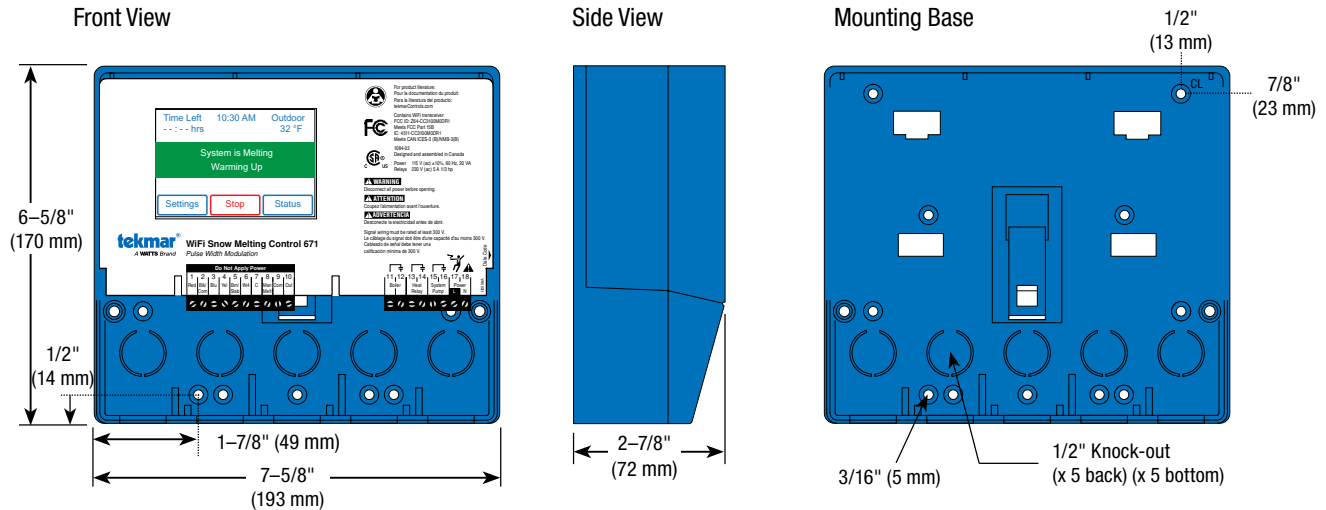Job _____   Designer _____   Contact _____

WiFi Snow Melting Control 671

The WiFi Snow Melting Control 671 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. When connected to the Internet, the Watts® Home mobile app allows the 671 to be controlled remotely.

Front View
Side View
Mounting Base

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
- Tandem Snow/Ice Detection
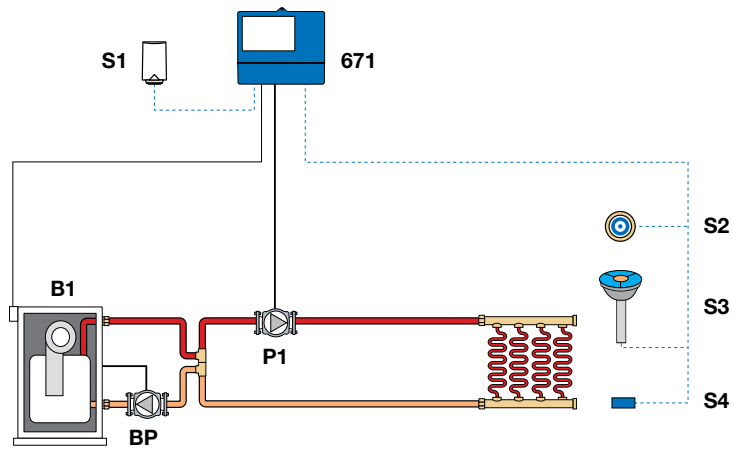- Pump exercising

Specifications

WiFi Snow Melting Control 671 *Pulse Width Modulation*	
Literature	671_A, 671_C, 671_D, 671_J, 671_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
Manual melt call	Short or 0 - 32 V(ac)
Communications	WiFi 802.11n, 2.4 GHz, WPA2 encryption
Mobile app	Apple iOS 12 or higher, Android 8 or higher
Sensor	NTC thermistor, 10 kΩ @ 77°F (25°C ±0.2°C) ß=3892
–Included	Outdoor Sensor 070
–Optional	tekmar type # 072, 073, 087, 090, 094, 095
Warranty	Limited 3 Year (See 671_D for full warranty)

tekmar®
A WATTS Brand

Sample Application Drawing
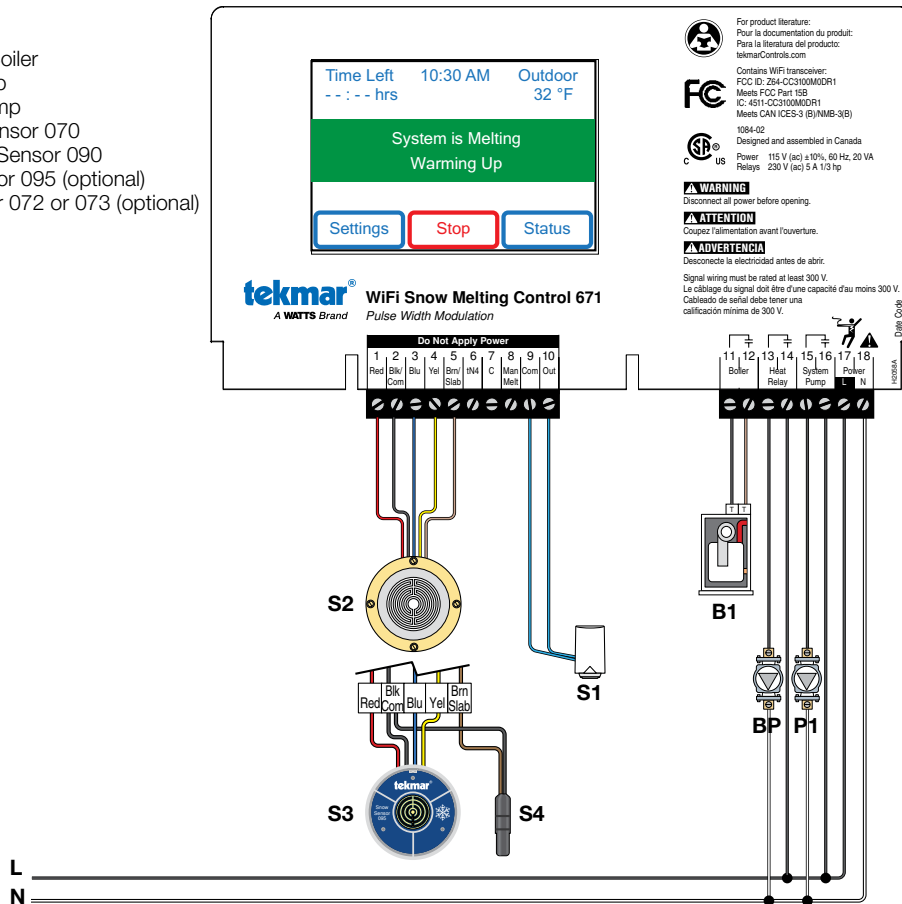
Sample Mechanical diagram

S1
671
S2
S3
S4
B1
P1
BP

Sample Electrical diagram

Legend

B1 = Mod-Con Boiler
BP = Boiler Pump
P1 = System Pump
S1 = Outdoor Sensor 070
S2 = Snow / Ice Sensor 090
S3 = Snow Sensor 095 (optional)
S4 = Slab Sensor 072 or 073 (optional)

Time Left	10:30 AM	Outdoor
- - : - - hrs		32 °F

System is Melting
Warming Up

Settings | Stop | Status

tekmar® *A WATTS Brand* **WiFi Snow Melting Control 671** *Pulse Width Modulation*

For product literature:
Pour la documentation du produit:
Para la literatura del producto:
tekmarControls.com

Contains WiFi transceiver:
FCC ID: Z64-CC3100M0DR1
Meets FCC Part 15B
IC: 4511-CC3100M0DR1
Meets CAN ICES-3 (B)/NMB-3(B)

1084-02
Designed and assembled in Canada
Power   115 V (ac) ±10%, 60 Hz, 20 VA
Relays   230 V (ac) 5 A 1/3 hp

⚠ WARNING
Disconnect all power before opening.

⚠ ATTENTION
Coupez l'alimentation avant l'ouverture.

⚠ ADVERTENCIA
Desconecte la electricidad antes de abrir.

Signal wiring must be rated at least 300 V.
Le câblage du signal doit être d'une capacité d'au moins 300 V.
Cableado de señal debe tener una calificación mínima de 300 V.

Date Code
H3058A

Do Not Apply Power

1	2	3	4	5	6	7	8	9	10
Red	Blk/Com	Blu	Yel	Brn/Slab	tIN4	C	Man Melt	Com	Out

11	12	13	14	15	16	17	18
Boiler		Heat Relay		System Pump		Power L	N

S2
S1
B1
BP P1

Red | Blk Com | Blu | Yel | Brn Slab

S3
S4

L
N

NOTICE

The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

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ES-T-671   2313

All specifications are subject to change without notice.

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