User Manual

WiFi Snow Melting Control 671

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

Download on the
App Store

GET IT ON
Google Play

Works with the
Watts® Home Mobile App
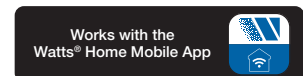
⚠ **WARNING**

THINK
SAFETY
FIRST

Please read carefully before proceeding with installation. Your failure to follow any attached instructions or operating parameters may lead to the product's failure.
Keep this Manual for future reference.

**tekmar®**
A WATTS Brand

Introduction

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. The Watts® Home mobile application allows for remote operation and monitoring of the snow melting system from anywhere in the world.

Manual Melting Operation

Manual Start and Timed Stop
- Start from Control display
- Start from Watts® Home mobile app
- Start from manual switch contact
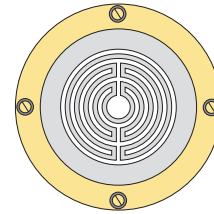- Start from tekmarNet® User Switch
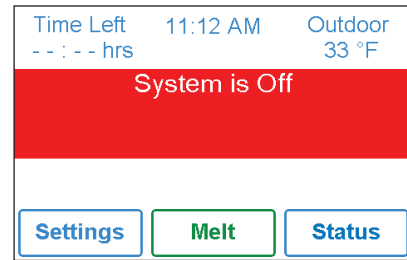
Press Melt button to start melting operation

Automatic Melting Operation

Automatic Start and Stop
- The Snow/Ice Sensor 090 or 094 is installed in the road or sidewalk.
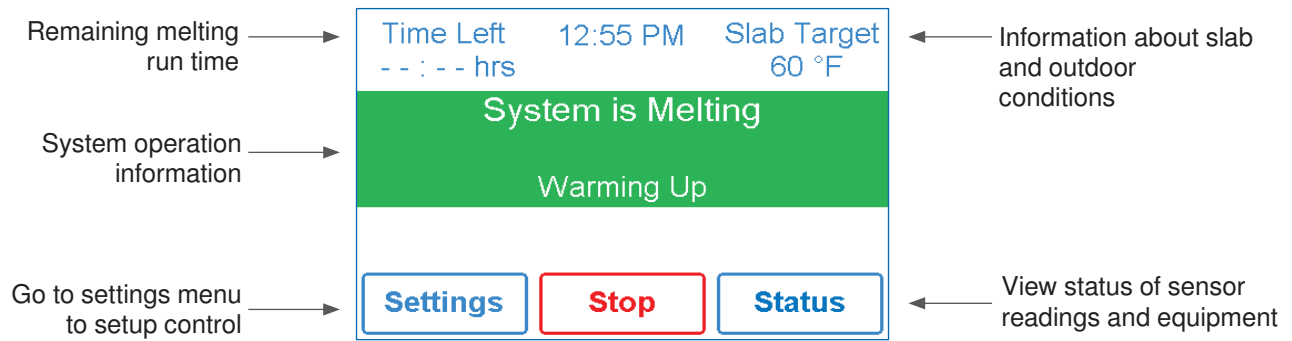

OR

Automatic Start and Timed Stop
- The Snow Sensor 095 is installed on a pole outside the building.

NOTICE

The automatic sensors require regular cleaning at least once per year to ensure reliable operation. Clean the sensor with hot soapy water and scrub with a nylon brush, then rinse and wipe clean with a cloth.

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User Interface

Remaining melting run time →

← Information about slab and outdoor conditions

Time Left	12:55 PM	Slab Target
- - : - - hrs		60 °F

System is Melting

Warming Up

System operation information →

| Settings | **Stop** | Status |

Go to settings menu to setup control →

← View status of sensor readings and equipment

The snow melting system operates in one of these five modes:

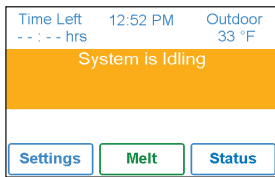| Time Left | 12:55 PM | Slab Target |
| - - : - - hrs | | 60 °F |
System is Melting
Warming Up
| Settings | Stop | Status |

SYSTEM IS MELTING
The control has either detected snow/ice and automatically started or the control was manually started.

| Time Left | 11:12 AM | Outdoor |
| - - : - - hrs | | 33 °F |
System is Off
| Settings | Melt | Status |
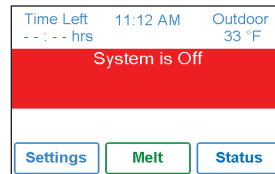
SYSTEM IS OFF
The snow melting system is off and is ready to detect snow or ice.

| Time Left | 12:52 PM | Outdoor |
| - - : - - hrs | | 33 °F |
System is Idling
| Settings | Melt | Status |

SYSTEM IS IDLING
The control is pre-heating the slab to the idling temperature. This reduces the amount of time needed to reach the melting temperature in the event snow or ice is detected.

| Time Remaining | | Outdoor |
| - - : - - hours | | 32 °F |
Storm Predicted
| Settings | Melt | Status |
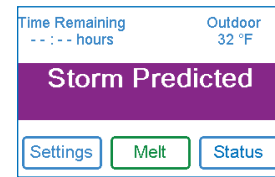
STORM PREDICTED
The storm feature can be manually started through a user switch. This reduces the amount of time needed to reach the melting temperature in the event snow or ice is detected.

| Time Left | 11:14 AM | Outdoor |
| - - : - - hrs | | 33 °F |
System in Override
Hand
| Settings | Melt | Status |

SYSTEM IN OVERRIDE
The control is in a manual override for testing purposes or manually disabled.

Symbols

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WARNING SYMBOL
The control has a error message. Press the warning symbol to determine the error code and information on how to take corrective action. Refer to the Installation and Operation Manual for a list of error codes.