WiFi Snow Melting Control 670

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

System is Melting
Warming Up

Settings   Stop   Status

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WiFi Snow Melting Control 670
Hydronic Boiler & Mixing / Electric

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Introduction

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 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
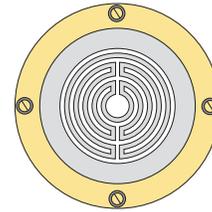- Start from tekmarNet® User Switch

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.
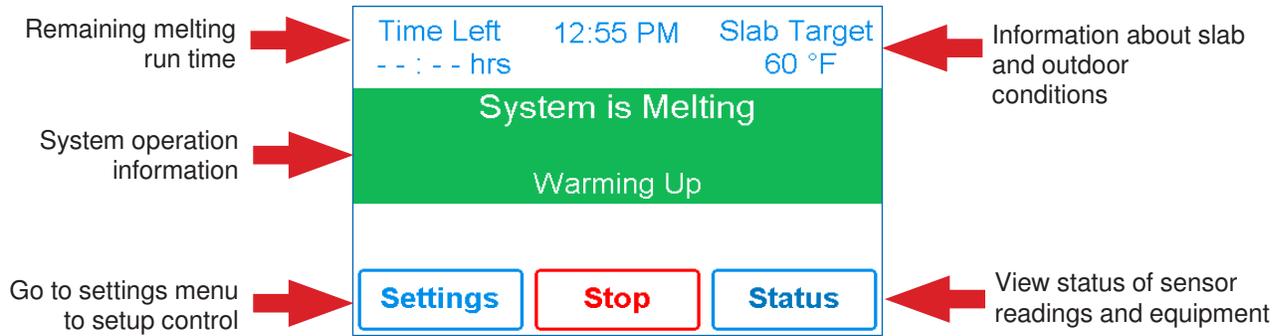

OR

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.

User Interface

Remaining melting run time →

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

← Information about slab and outdoor conditions

System operation information →

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 Internet local weather forecast is predicting a snow fall and the control is pre-heating the slab. 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
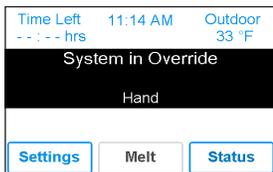
SYSTEM IN OVERRIDE
The control is in a manual override for testing purposes or manually disabled.

Symbols

!

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.

Watts® Home App

To view and adjust the WiFi Snow Melting Control 670 using a mobile phone or tablet, download the Watts Home mobile app from the Apple® iTunes® Store or from the Google Play® Store.


NOTICE

Before using the WiFi features of this product, you must accept the Terms of Use, as amended from time to time and available at Watts.com/terms-of-use. If you do not accept these terms, this product can still be used without WiFi features.

This product requires WiFi WPA2 security. WiFi networks with security disabled or that use WEP are not supported.

Add Control to App

Step 1
Create a new account. Then sign in using your username and password.
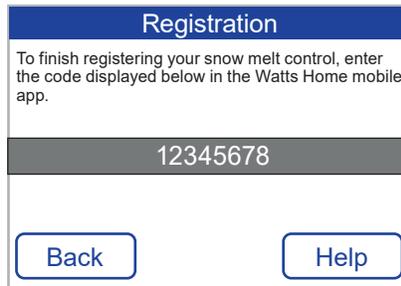
Step 2
On the control, go to the WiFi menu and press Register Device.
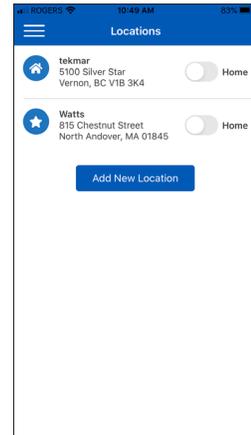
Step 3
Swipe left (Apple) or long hold (Android) to edit the Location name.

Step 4
Press the Location name and Add New Device.

Step 5
Enter the 8 digit code from the control into the mobile app. Then enter the control's device name.
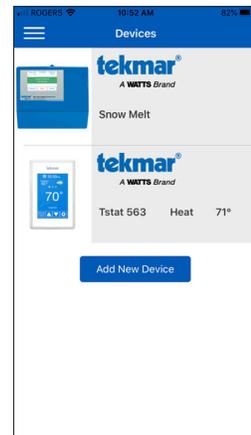
The control is now listed on the Devices page.

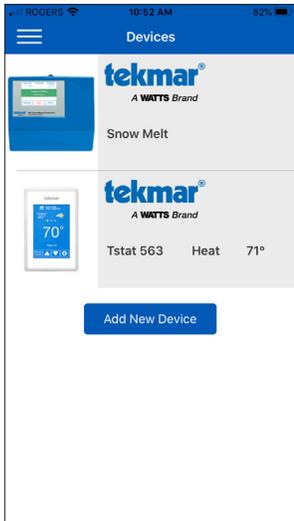# Using the App

Settings
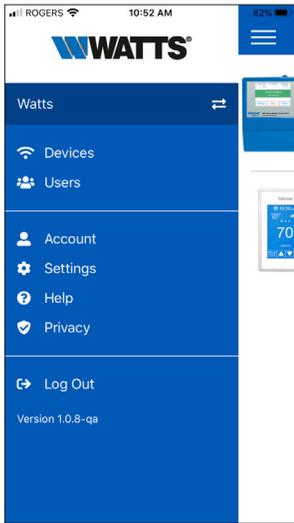
Press ☰ for settings

Locations
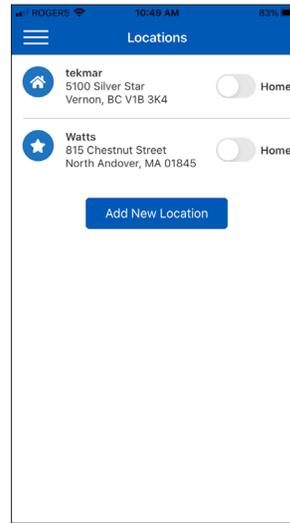
Toggle to ◖ **Away** to save energy when you are away for a day or more

Swipe left or long hold to edit or remove location

Devices
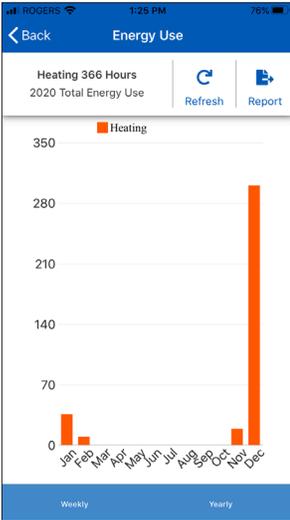

Swipe left or long hold to edit or remove device

Control

System is Off ⎯ Current system operation status

Off   Melt ⎯ Select between Off and Melt operation

📈 Energy use
↻ Refresh
⚙ Control settings

Energy Use

Toggle between weekly
and monthly energy use

Control Settings

Adjust control
temperature unit setting

Invite Users

Invite other users to
access all the devices at
a location

My Account

Update your user name

Settings

Change the notification and unit settings for your account

Need help? Go to our website or contact us.
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