

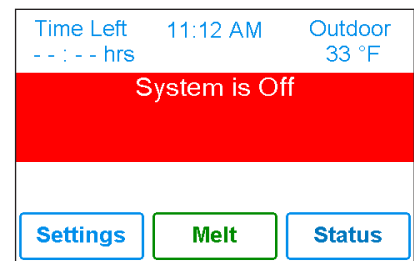
Introduction

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 tekmar Connect 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 tekmar Connect mobile app
- Start from manual switch contact
- Start from tekmarNet® User Switch

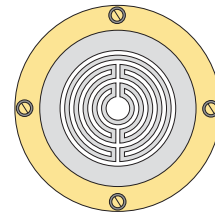


Press Melt button to start melting operation

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

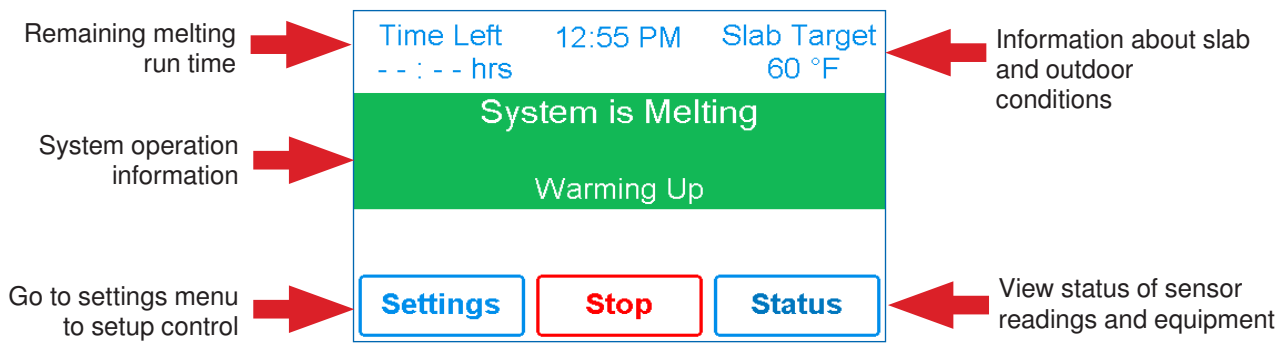
- The Snow Sensor 095 is installed on a pole outside the building.



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

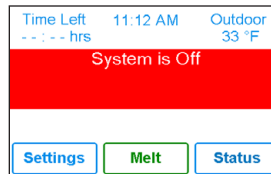


The snow melting system operates in one of these five modes:



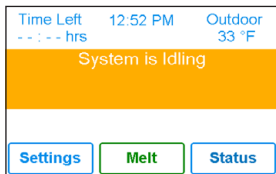
SYSTEM IS MELTING

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



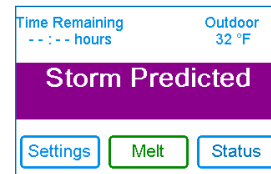
SYSTEM IS OFF

The snow melting system is off and is ready to detect snow or ice.



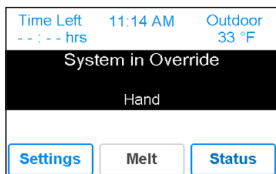
SYSTEM IS IDLING

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.



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.



SYSTEM IN OVERRIDE

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

Symbols



WARNING SYMBOL

The control has an 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.

tekmar Connect Mobile & Web App

The WiFi Snow Melting Control can be remotely viewed and adjusted from the tekmar Connect app.

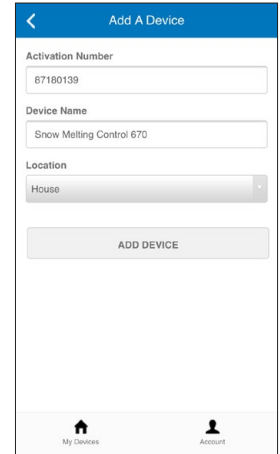
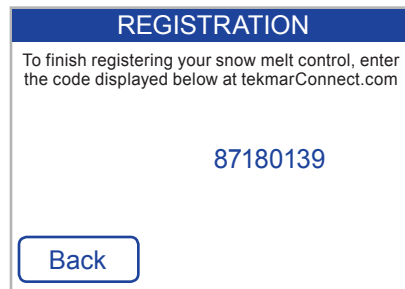
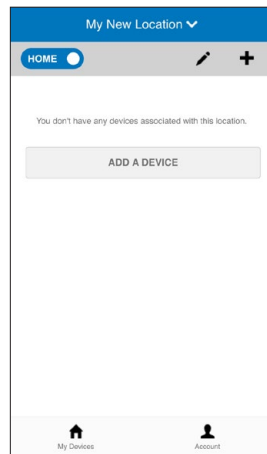
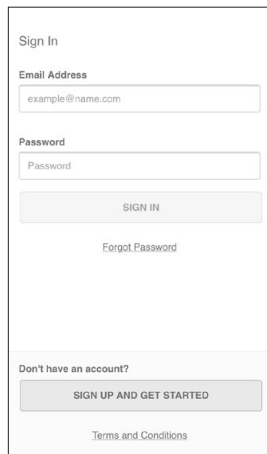
- Download the tekmar Connect mobile app from the iTunes® App Store® or from the Google Play™ Store.
- Alternatively go to the tekmarConnect.com website.



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 WattsWater.com/Terms-of-Use. If you do not accept these terms, this product can still be used without WiFi features.

Add WiFi Snow Melting Control 670 to App



Step 1

- Create a new account.
- Then login using your user name and password.

Step 2

Click Add a Device

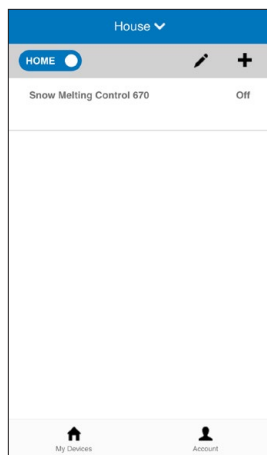
Step 3

On the 670, press:

- Settings
- WiFi
- Register Device

Step 4

- Enter the 8 digit registration number from the 670.
- Enter the device's name.
- The app supports multiple site locations. Enter the location for the 670.



The 670 is now listed on the My Devices page.

Account

Edit your account details:

- First and last name
- Email address
- Phone number

Logout of the app

Change the temperature units.

Account
Takes you to the account page.

My Devices

Home/Away

- Toggles a location between home and away.
- Selecting away saves energy by permanently shutting off the snow melt system.
- Thermostats operate at energy saving temperatures.

My Devices

Lists all the devices at a location

Locations

Add and toggle between different locations.

Add More Devices

Edit or Delete Locations

Device Name

Takes you to the adjustment page for the device.

Control Operation

- Back to My Devices

- Press to start melting
- Press to stop melting
- Grayed out when off for Warm Weather Shut Down or Cold Weather Cut Out

View run time energy usage

- Edit device name
- Delete devices

Provides control status:

- System is Off
- System is Melting
- Storm Predicted
- System is Idling
- System in Override

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All specifications are subject to change without notice

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