

Service Bulletin 074

August 15, 2013

tN4 Gateway 483 Update to Software Version J1193S

The tN4 Gateway 483 is now configured to remotely monitor and control a Snow Melting Control 654. New snow melting features for the Gateway include:

Remote Temperature Adjustment

- Melting
- Idling
- Storm

The screenshot shows the 'Gateway' web interface with the 'Temperatures' tab selected. The page displays the following information:

- Outside: Driveway snow melt**
 - Temperature: 27 °F
 - Snow/Ice Sensor Status: ---
 - State: Melting
 - Scene: Wake
- Melting(°F)**: 40 (with up/down arrows)
- Idling(°F)**: OFF (with up/down arrows)
- Storm(°F)**: 24 (with up/down arrows)

At the bottom right, it says 'tekmar tN4 Gateway Software (J1193S)'.

Remote Start Options

- Melt
- Storm

The screenshot shows the 'Gateway' web interface with the 'Scenes' tab selected. The page displays the following information:

- How do you want your building to operate?**
 - Choose one of the following Scenes:
 - ☒ Normal ([Details](#))
 - ☐ Away ([Details](#))
 - ☐ Unoccupied ([Details](#))
- Setpoint and Snow Melting Controls**
 - Activate a Control:
 - Manual Melt**
 - ☒ Active ☐ Standby
 - Storm**
 - ☐ Active ☒ Standby

At the bottom right, it says 'tekmar tN4 Gateway Software (J1193S)'.

Monitoring

- Off, Storm, Idle, Melt State
- Slab Target
- Slab Temperature
- Snow / Ice Sensor Wet or Dry
- Snow Melt Supply Temperature
- System Pump Status
- Boiler, Mixing or PWM Rate

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Device Inventory

Driveway snow melt			
State	Melting	Supply Temperature	109 °F
Slab Target	43 °F	System Pump Status	On
Slab Temperature	27 °F	PWM Rate	100 %
Snow/Ice Sensor Status	---		
Patio snow melt			
State	Melting	Supply Temperature	110 °F
Slab Target	38 °F	System Pump Status	On
Slab Temperature	26 °F	PWM Rate	100 %
Snow/Ice Sensor Status	---		

tekmar tN4 Gateway Software (J11935)

Data Logging

- Off, Storm, Idle, Melt State
- Slab Target
- Slab Temperature
- Snow / Ice Sensor Wet or Dry
- Snow Melt Supply Temperature
- System Pump Status
- Boiler, Mixing or PWM Rate

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Graph Controls

From: 2013 August 13 1:00
To: 2013 August 13 15:00
* Maximum 13 month graphing period, and up to 1 hr in the future.

Temperature Range: Auto Scale ☒ 0 to 31 °F (Min -100, Max 300)

☒ Outdoor Temperature

☒ Snow Melt Zones

☒ Driveway snow melt

☐ State☐ Slab Target☐ Slab Temp☐ Sensor Status

☐ Supply☐ Sys Pump☐ PWM Rate

☒ Patio snow melt

☒ Zones

Graph

Settings

Outdoor Temperature

Percentage

6
3
0-13-2013 0:08 @ 0 F

To remotely update an existing tN4 Gateway 483 over the internet

1. Login to the tN4 Gateway 483 website
2. Click “Configuration”
3. Click “Software”
4. Click “Software Update”

The new software will automatically download and install on the computer.

To manually download and install the update from the Mac computer

1. Quit the tekmarNet® Gateway application so that it is no longer running
2. Use a web browser to go to the tN4 Gateway 483 product page on the tekmar website:
<http://www.tekmarcontrols.com/products/accessories/483.html>
3. Click the Software tab
4. Click 483_sw_06.dmg to save the file to your computer as a DMG file
5. Double click to open the DMG file
6. Double click the “install” icon
7. Click “Yes” when the dialog box asks to install the software

For more information on the new snowmelt features and settings, please refer to the Snow Melting Control 654 installation manual.