

Service Bulletin 113

April 6, 2021

Information Available on the tekmarNet® Gateway 486 – Replaces ALL Versions of SB107

This document provides a reference for determining if specific control or thermostat items are available for viewing or adjustment within the tekmarNet® Gateway 486.

R = Read W = Write

| Thermostats | 532 | 552 | 553 | 554 | 557 |
|--|------------------|------------------|------------------|------------------|------------------|
| Thermostat Name | R/W | R/W | R/W | R/W | R/W |
| Air Temperature | R | R | R | R | R |
| Floor Temperature | R ¹ | R ¹ | R ¹ | R ¹ | R ¹ |
| Outdoor Temperature | R ¹ | R ¹ | R ¹ | R ¹ | R ¹ |
| Heating Setpoint | R/W | R/W | R/W | R/W | R/W |
| Floor Minimum Setpoint | R/W ¹ | R/W ¹ | R/W ¹ | R/W ¹ | R/W ¹ |
| Cooling Setpoint | - | - | R/W | R/W | R/W |
| Fan | - | - | R/W | R/W | R/W |
| Humidity Minimum | - | - | R/W ¹ | - | R/W ¹ |
| Humidity Maximum | - | - | R/W ¹ | - | R/W ¹ |
| Programmable Schedule (Occupied and Unoccupied Setpoints) | R/W | R/W | R/W | R/W | R/W |
| Away Setpoints | R/W | R/W | R/W | R/W | R/W |
| Change Scene Presets | - | - | - | - | - |
| Mode Off | R/W | R/W | R/W | R/W | R/W |
| Mode Heat | R/W | R/W | R/W | R/W | R/W |
| Mode Cool | - | - | R/W | R/W | R/W |
| Mode Auto | - | - | R/W | R/W | R/W |
| Mode Emergency Heat | - | - | R ¹ | - | R ¹ |
| Graph Room Temperature | R | R | R | R | R |
| Graph Floor Temperature | R ¹ | R ¹ | R ¹ | R ¹ | R ¹ |
| Graph Outdoor Temperature | R ¹ | R ¹ | R ¹ | R ¹ | R ¹ |
| Graph Heat Setpoint | R | R | R | R | R |
| Graph Cool Setpoint | - | - | R | R | R |
| Graph Relative Humidity | - | - | R ¹ | - | R ¹ |
| Graph Humidify Setpoint | - | - | R ¹ | - | R ¹ |
| Graph Dehumidify Setpoint | - | - | R ¹ | - | R ¹ |
| Notification of Errors | R | R | R | R | R |
| Notification to Replace Fan Filter | R | R | R | R | R |

R = Read W = Write

| Setpoint Controls | 161 | 162² |
|--|------------|------------------------|
| Setpoint Control Name | R/W | R/W |
| Sensor Temperature | R | R |
| Outdoor Temperature | R | R ¹ |
| Heating Setpoint | R/W | R/W |
| Cooling Setpoint | - | R/W ¹ |
| Programmable Schedule (Occupied and Unoccupied Setpoints) | R/W | R/W |
| Away Setpoints | R/W | R/W |
| Change Scene Presets | - | - |
| Mode Off | R/W | R/W |
| Mode Heat | R/W | R/W |
| Mode Cool | - | R/W ¹ |
| Graph Sensor Temperature | R | R |
| Graph Heating Setpoint | R | R |
| Graph Cooling Setpoint | - | R |
| Notification of Errors | R | R |

R = Read W = Write

| Snow Melt Controls | 654 | 670 | 671 |
|---------------------------|------------|------------|------------|
| Snow Melt Control Name | R/W | R/W | R/W |
| Slab Temperature | R | R | R |
| Melting Setpoint | R/W | R/W | R/W |
| Start/Stop Melting | R/W | R/W | R/W |
| Graph Slab Target | R | R | R |
| Graph Slab Temperature | R | R | R |
| Graph Outdoor Temperature | R | R | R |
| Notification of Errors | R | R | R |

R = Read W = Write

| System Controls | 274 | 275 | 284 | 400 | 401 | 402 | 403 | 406 | 420 | 422 | 423 |
|---|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|-----|----------------|----------------|
| Outdoor Temperature | R | R | R | R | R | R | R | R | R | R | R |
| Boiler Target | R | R | R | R | R | R | R | R | R | R | R |
| Boiler Supply Temperature | R | R | R | R | R | R | R | R | R | R | R |
| Boiler Return (requires sensor) | R ¹ | R ¹ | R ¹ | - | - | - | - | - | - | - | - |
| Boiler % Output (per boiler) | R | R | R | R | R | R | R | R | R | R | R |
| Boiler Runtime (per boiler) | R | R | R | R | R | R | R | R | R | R | R |
| Boiler Loop or Primary Pump Status (On/Off) | R | R | R | R | R | R | R | R | R | R | R |
| DHW Call Status (On/Off) | R | R | R | R | R | R | R | R | R | R | R |
| DHW Temperature (requires DHW sensor) | R ¹ | R ¹ | R ¹ | R ¹ | R ¹ | R ¹ | R ¹ | R ¹ | - | - | R ¹ |
| DHW Target | R ¹ | R ¹ | R ¹ | R ¹ | R ¹ | R ¹ | R ¹ | R | - | - | R |
| Setpoint Call Status (On/Off) | R | R | R | R | R | R | R | R | - | - | R |
| Mix 1 Target | - | - | - | - | - | - | R | R | - | R | R |
| Mix 1 Supply Temperature | - | - | - | - | - | - | R | R | - | R | R |
| Mix 1 % Output | - | - | - | - | - | - | R | R | - | R | R |
| Mix 1 System Pump Status (On/Off) | - | - | - | - | - | - | R | R | - | R | R |
| Mix 2 Target | - | - | - | - | - | - | - | - | - | R ¹ | R |
| Mix 2 Supply Temperature | - | - | - | - | - | - | - | - | - | R ¹ | R |
| Mix 2 % Output | - | - | - | - | - | - | - | - | - | R ¹ | R |
| Mix 2 System Pump Status (On/Off) | - | - | - | - | - | - | - | - | - | R ¹ | R |
| Mix 3 Target | - | - | - | - | - | - | - | - | - | - | R |
| Mix 3 Supply Temperature | - | - | - | - | - | - | - | - | - | - | R |
| Mix 3 % Output | - | - | - | - | - | - | - | - | - | - | R |
| Mix 3 System Pump Status (On/Off) | - | - | - | - | - | - | - | - | - | - | R |
| Tank Target | - | - | - | - | - | - | - | R | - | - | - |
| Tank Supply Temperature | - | - | - | - | - | - | - | R | - | - | - |
| Tank Loop Pump Status (On/Off) | - | - | - | - | - | - | - | R | - | - | - |
| Heat Pump Return Temperature | - | - | - | - | - | - | - | R | - | - | - |
| Heat Pump Output | - | - | - | - | - | - | - | R | - | - | - |
| Heat Pump Loop Pump Status (On/Off) | - | - | - | - | - | - | - | R | - | - | - |
| Graph Outdoor Temperature | R | R | R | R | R | R | R | R | R | R | R |
| Graph Boiler Target | R | R | R | R | R | R | R | R ¹ | R | R | R |
| Graph Boiler Supply Temperature | R | R | R | R | R | R | R | R ¹ | R | R | R |
| Graph Boiler % Output (per boiler) | R | R | R | R | R | R | R | R ¹ | R | R | R |
| Graph DHW Sensor | - | - | - | - | - | - | - | - | - | - | - |
| Graph Mix 1 Target | - | - | - | - | - | - | R | R ¹ | - | R | R |
| Graph Mix 1 Supply | - | - | - | - | - | - | R | R ¹ | - | R | R |
| Graph Mix 2 Target | - | - | - | - | - | - | - | - | - | - | R |
| Graph Mix 2 Supply | - | - | - | - | - | - | - | - | - | - | R |
| Graph Mix 3 Target | - | - | - | - | - | - | - | - | - | - | R |
| Graph Mix 3 Supply | - | - | - | - | - | - | - | - | - | - | R |
| Graph Tank Target | - | - | - | - | - | - | - | R | - | - | - |
| Graph Tank Supply Temperature | - | - | - | - | - | - | - | R | - | - | - |
| Graph Heat Pump % Output | - | - | - | - | - | - | - | R | - | - | - |
| Notification of Errors | R | R | R | R | R | R | R | R | R | R | R |

Notes:

1. Requires extra sensors or specific configuration
2. Setpoint Control 162 with lot number **lower** than lot 29478 require a tekmar system control (example: 400, 401, 402, 403, 406, 422, 423, 274, 275, 284) on the tekmar network.