



Temperature Sensor



TS1919 Flood Sensor (Optional)

MODEL TS2301

## Wi-Fi ELECTRIC WATER HEATER CONTROLLER

### OVERVIEW

The TrickleStar® TS2301 Wi-Fi Electric Water Heater Controller can help you save money by saving energy through reducing your water heating costs. With Wi-Fi connectivity, smart scheduling and the use of the TrickleStar Portal and TrickleStar App (iOS and Android), you can control your water heating timing and duration from anywhere. This Water Heater Controller is compatible with Google Assistant and Amazon Alexa. It is also easy to install, and it can be retrofitted to most types of electric water heaters in the U.S., making the TrickleStar Wi-Fi Electric Water Heater Controller a smart choice for your smart home.

### KEY FEATURES

- Scheduling
- Access and control from anywhere via the TrickleStar Portal and TrickleStar App (iOS and Android)
- Delegation and different level of access for multi users
- Boost flexibility
- Service reminder and energy usage report via Portal
- Flood Sensor to detect leakage (optional)
- Supports utility companies' time-of-use and demand response programs

### CONNECTED SOLUTION

You can use the TrickleStar Portal and TrickleStar App (iOS and Android) to personalize your preferences and to maximize energy savings from your local utility company. This Water Heater Controller comes with a Boost mode, which allows you to turn on the water heater over a pre-selected duration to cater to your needs. You will be able to monitor and forecast the energy use when you review the daily/weekly/monthly/yearly usage report which has been summarized on the Portal. This is a year-round energy saving solution for your water heating system.

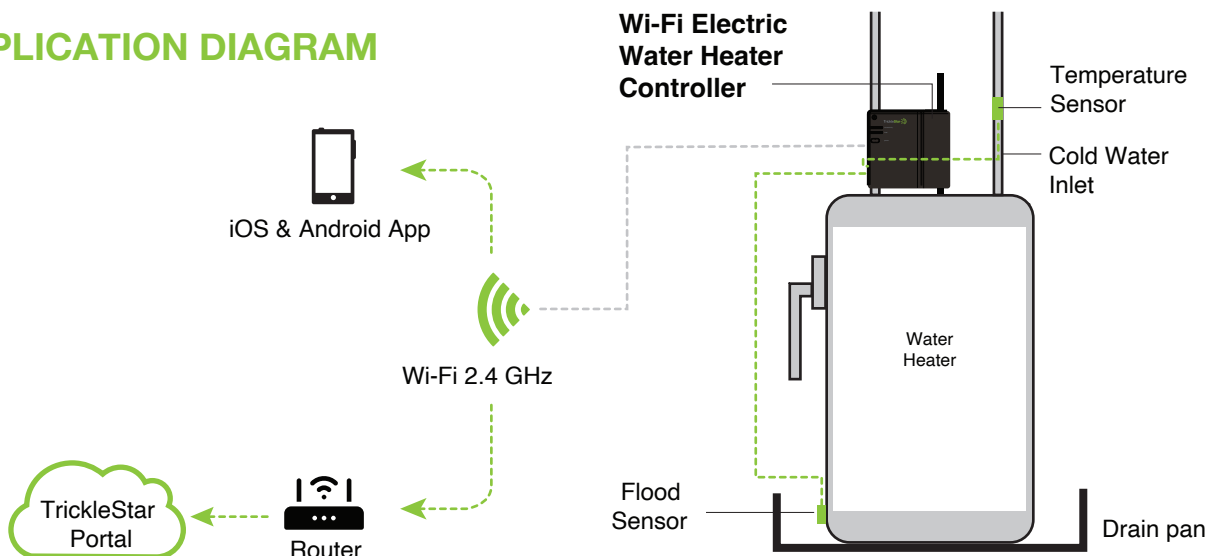
### PRODUCT WARRANTY

Three-year limited product warranty

FEATURE DIAGRAM



APPLICATION DIAGRAM



All images used are for illustration purpose only. Actual product may vary.

## ELECTRICAL SPECIFICATIONS

### ELECTRIC WATER HEATER CONTROLLER

Operating Voltage	: 90 V ~ 277 V AC, 50/60 Hz
Output Current	: 30 A, resistive
Power Consumption	: < 5 W
Wiring Connection	: Screw Terminals
Operating Temperature	: -4°F to 122°F (-20°C to 50°C)
Sensor Port	: 12 V DC, Two RJ11 ports
Storage condition	: Temperature -40°F to 158°F (-40°C to 70°C), Relative Humidity 10% to 95% (non-condensing)

### TEMPERATURE SENSOR

Detection Range	: -67°F to 257°F (-55°C to 125°C)
Detection Resolution	: 33.8°F (1°C)
Network Port & Length	: RJ11, 5.9 ft. (1.8m)

### FLOOD SENSOR (OPTIONAL)

Detection	: In contact with water
Network Port & Length	: RJ11, 5.9 ft. (1.8m)

### CONNECTIVITY

- Wi-Fi 802.11 b/g/n @ 2.4 GHz

### GENERAL

Dimension (width/height/depth) (Approx.)	: 6.30 in. x 6.62 in. x 2.17 in. (16.00 cm x 16.81 cm x 5.51cm)
Weight (Approx.)	: 23.24 oz. (658.8 gm)

### WORKS WITH

Amazon Alexa  
Google Assistant

### APPROVALS



### CA PROP 65

California Proposition 65 Compliant

### MODEL INFORMATION

**TS2301** Wi-Fi Electric Water Heater Controller  
with Temperature Sensor

### ACCESSORIES

**TS1919** Flood Sensor