Submittal
WiFi Thermostat 561
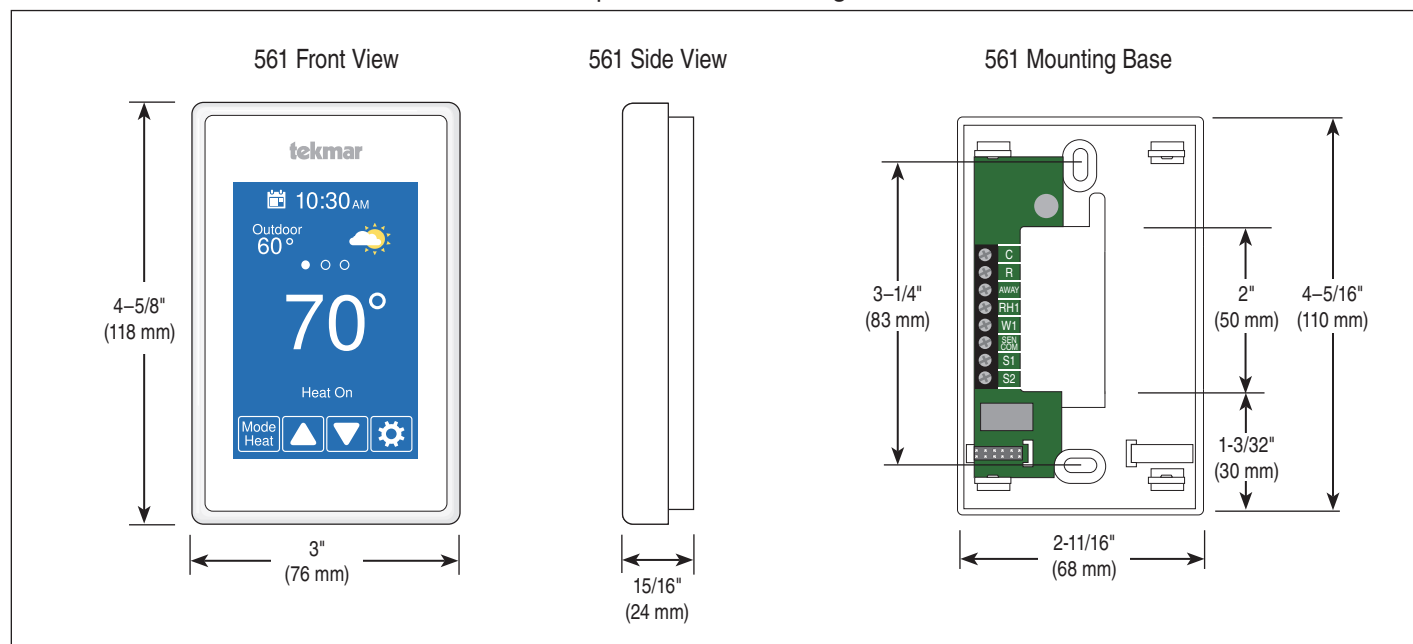
Job _____   Designer _____   Contact _____

The WiFi Thermostat 561 provides precise temperature control of a one-stage heating system. When connected to the Internet, the time is automatically set and the local weather and outdoor temperature are displayed. The mobile app and website allow the thermostat to be controlled remotely. A 7-day, 4-event programmable schedule is available and the early start feature automatically learns to heat up the room by the scheduled time. An Away mode is quickly and easily accessed to provide energy savings when the space is unoccupied. The thermostat supports radiant floor heating and optional floor sensors can be installed to enhance comfort and protect floor coverings.

561 Front View

📅 10:30 AM

Outdoor
60°

70°

Heat On

Mode
Heat ▲ ▼ ⚙

4–5/8"
(118 mm)

3"
(76 mm)

561 Side View

15/16"
(24 mm)

561 Mounting Base

C
R
AWAY
RH1
W1
SEN
COM
S1
S2

3–1/4"
(83 mm)

2"
(50 mm)

4–5/16"
(110 mm)

1-3/32"
(30 mm)

2-11/16"
(68 mm)

Specifications

WiFi Thermostat 561 *One Stage Heat*	
Literature	561_C, 561_D, 561_J, 561_U
Control	Microprocessor control. This is not a safety (limit) control
Packaged weight	0.6 lb. (270 g)
Dimensions	4-5/8" H x 3" W x 15/16" D (118 x 76 x 24 mm)
Enclosure	White PVC plastic, NEMA type 1
Approvals	Meets Class B: ICES & FCC Part 15
Ambient conditions	Indoor use only, 32 to 122°F (0 to 50°C), RH ≤90% non-condensing
Power supply	15 to 30 V (ac/dc), 2 VA, Class 2
Relay	30 V (ac/dc), 2 A, Class 2 circuits
Sensor	NTC thermistor, 10 kΩ @ 77°F (25°C ±0.2°C) ß=3892
–Included	None
–Optional	tekmar type # 070, 072, 073, 076, 077, 079, 084
Communications	WiFi 802.11n, 2.4 GHz, WPA2 encryption
Mobile App	Apple iOS 9 or higher, Android 5 or higher
Warranty	Limited 3 Year (See 561_D for full warranty)

Features

- Mobile app for iOS and Android
- Optional remote floor & room sensors
- Automatic software updates
- Outdoor temperature
- Local weather
- Email error and warning notifications
- Time clock updated from Internet
- 7 day programmable schedule
- Away energy savings mode
- Early start
- Energy monitoring
- English/Français/Español languages
- 3.5" color touchscreen
- Selectable background colors

tekmar ®

A WATTS Brand

Sample Application Drawing

Sample Mechanical diagram

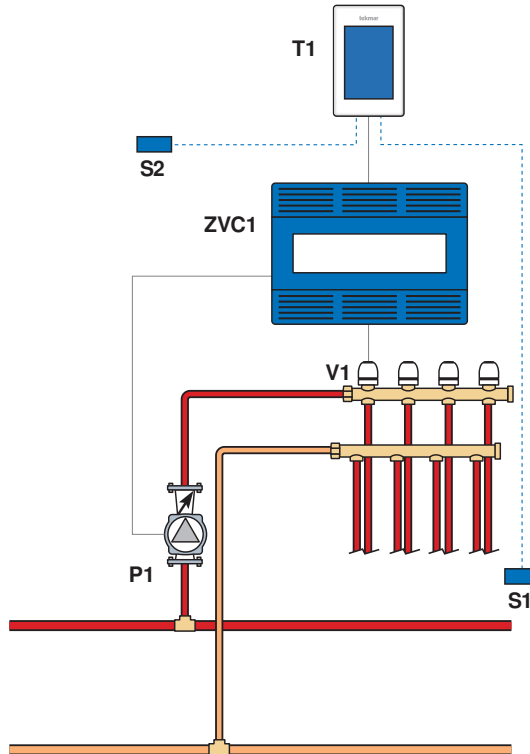**Legend**
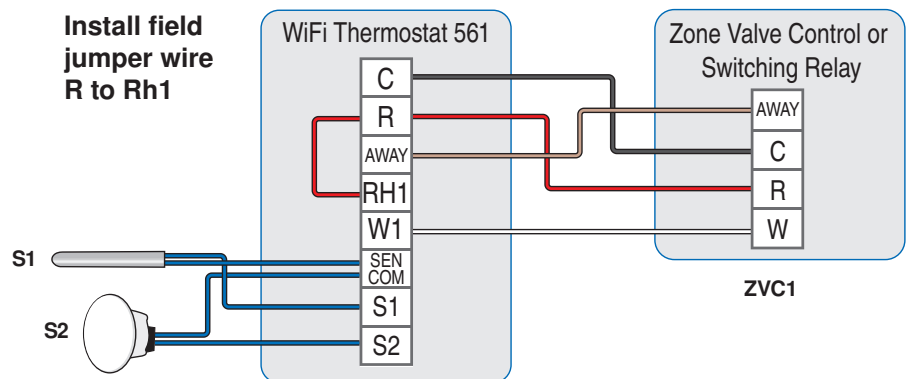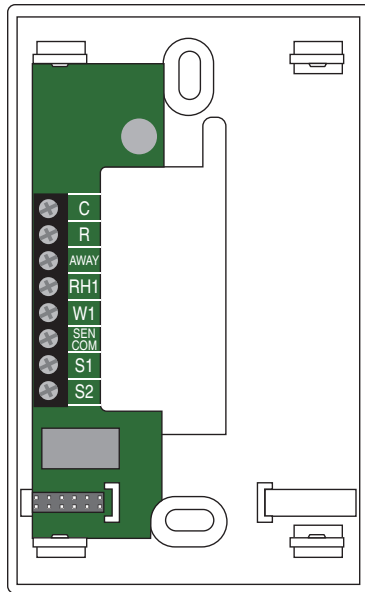P1 = Manifold Pump
T1 = WiFi Thermostat 561
V1 = Zone Valve
S1 = Optional Floor Sensor 079
S2 = Optional Indoor Sensor 084
ZVC1 = Zone Valve Control 304V, 306V

Sample Electrical diagram

Install field jumper wire R to Rh1

WiFi Thermostat 561

Zone Valve Control or Switching Relay

ZVC1

⚠ **CAUTION**

This Submittal is not intended to provide full installation instructions and safety information. In order to avoid property damage or injury, please refer to the complete installation manual and product safety information provided with the product.