



# T10 Pro Smart Thermostat with RedLINK

## SUBMITTAL SHEET

Job Name	
Engineer	
Mechanical Contractor	
Contractor's P.O. No.	
Representative	
Notes	

Model(s)				
THX321WFS2001W	Qty.		Notes	
THX321WF2003W	Qty.		Notes	
Approval				
Service				
Tag No.				

## APPLICATION

- Up to 3H/2C Heat Pump systems or up to 2H/2C Conventional systems.
- Dual fuel and aux heat lockout.
- Hot water systems including Series 20 and hot water coil.
- Control a humidifier, dehumidifier, or ventilator.
- Wired outdoor sensor or Internet weather.
- Wireless indoor temperature, humidity, and motion sensors.
- Geofence capable.
- Selectable ranges stops: min and max heat and cool.
- DST enabled.
- 5-year warranty.

## SPECIFICATIONS

### Thermostat Models:

THX321WFS2001W (White thermostat & indoor sensor)

THX321WF2003W (White thermostat without indoor sensor)

### Remote Temperature, Humidity & Motion Sensor:

C7189R2002-2 RedLINK wireless indoor sensor 2 pack.

Temperature, humidity, and motion (White)

### Electrical Ratings:

Terminal	Voltage (50/60Hz)	Running Current
W Heating	20-30 Vac	0.02-1.0 A
W2 (Aux) Heating	20-30 Vac	0.02-1.0 A
E Emergency Heat	20-30 Vac	0.02-0.5 A
Y Compressor Stage 1	20-30 Vac	0.02-1.0 A
Y2 Compressor Stage 2	20-30 Vac	0.02-1.0 A
G Fan	20-30 Vac	0.02-0.5 A
O/B Changeover	20-30 Vac	0.02-0.5 A
L/A Input	20-30 Vac	0.02-0.5 A
U/U IAQ	20-30 Vac	0.02-0.5 A

**Cool Indication:** Display floods blue when the thermostat turns the cooling on.

**Heat Indication:** Display floods orange when the thermostat turns the heating on.

### Temperature Sensor Accuracy:

± 1.5 °F at 70 °F (0.85 °C at 21.0 °C)

**Clock Accuracy:** Updates automatically when connected to Internet. When not connected to Internet ± 1 minute every month (30 days) at 77 °F. ± 2 minutes per month over the operating ambient temperature range.

**Mounting Means:** Thermostat packaged with a UWP mounting system that mounts directly on the wall in the living space using mounting screws and anchors provided. Use the cover plate (also included with thermostat) and its mounting bracket to mount the thermostat onto a vertical 2 x 4 in. junction box.

### Wi-Fi Communication:

Provides remote access through smartphone or tablet when connected to Wi-Fi and registered to Honeywell Home app. 2.4GHz or 5GHz range, 802.11 b/g/n home wireless router.

Works with Apple® HomeKit™ and other Smart Home partners.

List of partners can be found at:

<https://www.honeywellhome.com/partners>

### RedLINK Communication:

Frequency: 900 Mhz frequency range

Re-Sync Time: RedLINK sensor re-establish communication within 6 minutes after AC power resumes

**Power Method:** 24 volts to Rc and C required (no batteries)

**Power Consumption:** 3 VA max

**Humidification Setting Range:** 10% to 60% RH

**Dehumidification Setting Range:** 25% to 80% RH

**Humidity Display Range:** 0% to 99%

### Humidity Sensor Accuracy:

± 5% RH from 30% to 50% RH at 75 °F (24 °C)

### Temperature Setpoint Range:

Heating: 40 °F to 90 °F (4.5 °C to 32 °C)

Cooling: 50 °F to 99 °F (10 °C to 37 °C)

**Operating Ambient Temperature:** 37 °F to 102 °F. (2.8 °C to 38.9 °C)

**Shipping Temperature:** -20 °F to 120 °F. (-28.9 °C to 48.9 °C)

**Operating Relative Humidity:** 5% to 90% (non-condensing)

**Display Size:** 7.27 sq. in

### Physical Dimensions in Inches (mm):

Thermostat: 4.9" H x 3.7" W x 0.93" D (125.4mm x 94.1mm x 23.68mm)

Sensor: 2.60" H x 2.60" W x 0.76" D (66.25mm x 66.25mm x 19.7mm)



33-00461-05

## REGULATORY INFORMATION

### FCC REGULATIONS

#### 47 CFR § 15.19 (a)(3)

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

#### 47 CFR § 15.21 (USA only)

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

#### 47 CFR § 15.105 (b)

See <https://customer.honeywell.com/en-US/support/residential/codes-and-standards/FCC15105/Pages/default.aspx> for additional FCC information for this product.

### IC REGULATIONS

#### RSS-GEN

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference; and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

The product should not be disposed of with other household waste. Check for the nearest authorized collection centers or authorized recyclers. The correct disposal of end-of-life equipment will help prevent potential negative consequences for the environment and human health.

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