Honeywell Home

T10 and T10+ Pro Smart Thermostat with RedLINK® 3.0

SUBMITTAL SHEET

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

Model(s)				
THX321WFS2001W	Qty.		Notes	
THX321WF2003W	Qty.		Notes	
THX321WF3003W	Qty.		Notes	
THX321WFS3001W	Qty.		Notes	
THM04R3000	Qty.		Notes	
YTHM1004R3000	Qty.		Notes	
YTHM1004R3001	Qty.		Notes	
C7189R3002-2	Qty.		Notes	
C7189R2002-2	Qty.		Notes	
C7089R3013	Qty.		Notes	
AC112-01	Qty.		Notes	

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.
- Radiant floor with slab sensor (T10+ models only).
- Control a humidifier, dehumidifier, or ventilator.
- Wired outdoor sensor or Internet weather.
- Wireless outdoor sensor for T10+ only.
- Wireless communication to EIM with 24 volts at thermostat R and C (T10+ only).
- Wireless indoor temperature, humidity, and motion sensors.
- Geofence capable.
- Selectable ranges stops: min and max heat and cool.
- DST enabled.
- 5 year warranty.
- Works with THP9045A wire-saver module.

SPECIFICATIONS

Model numbers:

- THX321WF2003W (T10 thermostat without wireless sensor in package)
- THX321WFS2001W (T10 thermostat with wireless sensor in package)
- THX321WF3003W (T10+ thermostat without sensor in package)
- THX321WFS3001W (T10+ thermostat with sensor in package)
- THM04R3000 (EIM [for T10+ only])
- C7189R2002-2 (Wireless indoor temperature, humidity, and motion sensors [2 pack])
- C7189R3002-2 (Wireless indoor temperature, humidity, and motion sensors [2 pack])
- C7089R3013 (Wireless outdoor temperature and humidity sensor [for T10+ only])
- YTHM1004R3000 (T10+ thermostat, EIM, wireless indoor sensor, and RATS/DATS)
- YTHM1004R3001 (T10+ thermostat, EIM, wireless outdoor sensor, wireless indoor sensor, and RATS/DATS)
- AC112-01 (Wired Floor/Slab sensor [for T10+ only])

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

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

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

Energy Star Certified (T10 & T10+)

RedLINK 3.0 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: 0% to 90% RH

Dehumidification Setting Range: 10% to 100% 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)

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

Equipment Interface Module: 9.3" H x 4.8" W x 1.6" D
(91mm x 147mm x 42mm)

Wireless outdoor sensor: 5" H x 3.5" W x 1.7" D
(127mm x 89mm x 43mm)

Electrical Ratings (T10 or T10+ thermostat):

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

Electrical Ratings (THM04R3000 EIM [for T10+ only]):

Terminal	Voltage (50/60Hz)	Max. Current Rating
O/B Changeover	18-30 Vac	1.00 A
Y Compressor Stage 1	18-30 Vac	1.00 A
Y2 Compressor Stage 2	18-30 Vac	1.00 A
G Fan	18-30 Vac	0.50 A
W1 Heat		
W2 Aux 1(Heating)	18-30 Vac	0.60 A
W3 Aux 2 (Heating)	18-30 Vac	0.60 A
L Input only	18-30 Vac	
U1, U1 **U2, U2** **U3, U3**	18-30 Vac	0.50 A

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.resideo.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.

UL and ULC Listed per Standards UL 60730-1 and CAN/CSA E60730-1

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.