Honeywell Home

ElitePRO™ S1100 & S1200 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)				
THX1200W5	Qty.		Notes	
THX1200B6	Qty.		Notes	
THX1100W3	Qty.		Notes	
THX1100B4	Qty.		Notes	
YTHX1200W5	Qty.		Notes	
YTHX1200B6	Qty.		Notes	
YTHX1200W7	Qty.		Notes	
YTHX1200B8	Qty.		Notes	
C7189R3010-2	Qty.		Notes	
C7089R3013	Qty.		Notes	
EIM4010	Qty.		Notes	
ERM4010	Qty.		Notes	
THP9045A2098	Qty.		Notes	

APPLICATION

- Residential or light commercial.
- 2-pipe or 4-pipe fan coil unit.
- PTAC
- Onboard Radar Sensor
- Remote setback/occupancy sensing.
- Economizer control.
- Up to 4H/2C Heat Pump systems
- 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.
- Control a humidifier, dehumidifier, or ventilator.
- Wired outdoor sensor or Internet weather.
- Wireless outdoor sensor.
- Wireless communication to EIM with 24 volts at thermostat R and C.
- Wireless indoor temperature, humidity, and motion sensors.
- Geofence capable. Auto-away option using the app.
- Selectable ranges stops: min and max heat and cool.
- DST enabled.
- 5 year warranty.
- Works with THP9045A wire-saver module.
- IAQ sensor for humidity, VOC, and estimated CO2
- Streams doorbell video, works with First Alert® and Ring® (S1200)

* Extra heat stage or 1-2 extra cool stages using assignable relays. 3 available on EIM. 2 available on S1100 & S1200 without EIM.

SPECIFICATIONS

Model numbers:

- THX1200W5 (White S1200 thermostat)
- THX1200B6 (Black S1200 thermostat)
- THX1100W3 (S1100 White Thermostat)
- THX1100B4 (S1100 Black Thermostat)
- YTHX1200W5 (S1200 White Thermostat + Room Sensor)
- YTHX1200B6 (S1200 Black Thermostat + Room Sensor)
- YTHX1200W7 (S1200 White Thermostat + EIM)
- YTHX1200B8 (S1200 Black Thermostat +EIM)
- C7189R3010-2 (Wireless indoor sensor [2-pack])
- C7089R3013 (Wireless outdoor sensor)
- EIM4010 (Equipment Interface Module.)
- ERM4010 (Equipment Remote Module.)
- THP9045A2098 (C-Wire Adapter)

Cool Indication: Displays snowflake icon when the thermostat turns the cooling on.

Heat Indication: Displays sun icon when the thermostat turns the heating on.

Clock Accuracy: Updates automatically when connected to the App/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 wall plate 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 cover marks from the previous thermostat or to mount the thermostat onto a junction box.

Wi-Fi Communication:
Provides remote access through smartphone or tablet when connected to Wi-Fi and registered to First Alert app. Dual-Band Wi-Fi: 2.4 & 5 GHz

This Matter-certified accessory can be used with an Apple Home hub such as HomePod or Apple TV running the latest software

List of partners can be found at:
honeywellhome.com/smart-partners

Energy Star Certified

Bluetooth®: BLE 2.4GHz

Redlink 3.0 Communication:
Frequency: 900 Mhz frequency range

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

Radar: 61.5GHz

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

Power Consumption: 2.6 VA

Input Ratings: 24V~ 60 Hz, 0.09A

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: 5" touchscreen display with ambient light sensor

Physical Dimensions in Inches (mm):
Thermostat: 3-9/19" H x 5-1/4" W x 7/8" D (90mm H x 133mm W x 24mm D)

Wireless Indoor Sensor: 2.4" W x 2.4" H x 0.77" D

(61 mm x 61 mm x 19.6 mm)

EIM4010: 5-23/64" W x 8-5/64" H x 1-19/32" D (136 mm W x 205 mm H x 41 mm D)

ERM4010: 6-7/8" W x 6-39/64" H x 1-31/64" D (175 mm W x 168 mm H x 38 mm D)

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

Electrical Ratings (ElitePRO thermostat):

Terminal	Voltage (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	20-30 Vac	0.02-0.5 A
U/U IAQ	20-30 Vac	0.02-0.5 A

Electrical Ratings (EIM4010):

Terminal	Voltage (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

Electrical Ratings (ERM4010):

Terminal	Voltage (60Hz)	Max. Current Rating
Y Compressor Stage 1	18-30 Vac	1.00 A
Y2/T Compressor Stage 2	18-30 Vac	1.00 A
O/B - T Changeover	18-30 Vac	1.00 A
D Input only		
L Input only		

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,

(2) This device must accept any interference received, including interference that may cause undesired operation.

47 CFR § 15.21

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)

For additional FCC information for this product, see:

https://customer.resideo.com/en-US/support/residential/codes-and-standards/FCC15105/Pages/default.aspx

IC Regulations

RSS-GEN

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

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

RF Exposure Statement: FCC and IC Regulations

Warning:

The antenna(s) used for these transmitters must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. Operations in the bands 5150-5250 MHz and 5250-5350 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

Electronic Waste Notification

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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Resideo Technologies Inc.
Golden Valley, MN 55422
1-480-573-5340
www.resideo.com
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