Honeywell Home

T6 Pro Z-Wave Programmable Thermostat

SUBMITTAL SHEET

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

Model(s)				
TH6320ZW2007	Qty.		Notes	
Notes				
TH6320ZW2003	Qty.		Notes	
Notes				
Approval				
Service				
Tag No.				

APPLICATION

Model TH6320ZW2003: Designed to work with any Z-Wave compliant controller or gateway; however, a security enabled Z-Wave Plus Controller is recommended to fully utilize all thermostat features.

Up to 3H/2C Heat Pump systems or up to 2H/2C Conventional systems. Dual fuel and aux heat lockout with outdoor sensor.

Model TH6320ZW2007: Same as TH6320ZW2003 but TH6320ZW2007 has SmartStart.

Z-Wave Plus Certified:

- Backwards compatibility
- Interoperability
- Updates to make devices more user friendly
- 67% improvement in range
- 50% improvement in battery life
- 250% more bandwidth

SPECIFICATIONS

Terminal Designations: R, RC, C, W, O/B, W2-AUX, E, Y, Y2, G, L/A, K, S, and S.

Electrical Ratings:

Terminal	Voltage (50/60Hz)	Running Current
W Heating	18-30 Vac	0.02-1.0 A
(Powerpile)	750 mV DC	100 mA DC
W2 (Aux) Heating	18-30 Vac	0.02-1.0 A
E Emergency Heat	18-30 Vac	0.02-0.5 A
Y Compressor Stage 1	18-30 Vac	0.02-1.0 A
Y2 Compressor Stage 2	18-30 Vac	0.02-1.0 A
G Fan	18-30 Vac	0.02-0.5 A
O/B Changeover	18-30 Vac	0.02-0.5 A
L/A Input	18-30 Vac	0.02-0.5 A

Selectable Ranges Stops: Max heat and min cool

Keypad Lockout

DST Enabled

Programming Options:
Time based 7-day, 5-1-1, 5-2, non-programmable, or occupancy controlled with Z-wave panel/app integration.

5 Year Warranty

Cool Indication: Displays "Cool On" when the thermostat turns the cooling on.

Heat Indication: Displays "Heat On" 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 Z-wave network and keeps updating 1 min. /24hours. When not connected to Z-Wave network ± 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. Cover plate provided for covering marks on wall from previous thermostat.

Power Requirements:
Battery power: AA alkaline battery 3pcs. And/or
C-wire input: 18–30VAC; 50Hz-60H

Typical Power Consumption:
Battery power mode (LSS), backlight off: 0.1mA
AC power mode (AOS), backlight off: 0.4VA

Temperature Ranges:
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)

Humidity Sensor Accuracy (display only)**:**
± 5% RH in range 30–50% RH at 75 °F.

Physical Dimensions:
4-1/16" H x 4-1/16" W x 1-5/32" D
103.5 mm H x 103.5 mm W x 29 mm D

Color: White

Z-WAVE RADIO

Frequency (USA and Canada): 908.42 MHz
Certified: Z-Wave Plus V1 (TH6320ZW2003) V2 (TH6320ZW2007)
Generic Device Type: Thermostat
Node type (C-wire): Always On Slave (AOS)
Node type (Battery): Listening Sleeping Slave (LSS)
Z-Wave Chipset: ZM5202AU (TH6320ZW2003)
ZGM130S (TH6320ZW2007)

SUPPORTED Z-WAVE COMMAND CLASSES

Indicator V3
Multi Channel Association V3
Firmware Update Meta Data V5
Z-Wave Plus Info V2
Supervision V1
Transport Service V2
Association V2
Version V3
Association Group Information V2
Basic V1 (TH6320ZW2003)
Basic V2 (TH6320ZW2007)
Battery V1
Clock V1
Configuration V4
Device Reset Local V1
Manufacturer Specific V2
Sensor Multilevel V5
Notification V3
Powerlevel V1
Security 2 V1
Thermostat Fan Mode V3
Thermostat Fan State V1
Thermostat Mode V3
Thermostat Operating State V1
Thermostat Setpoint V2

NOTES

Indicator V3: (TH6320ZW2007)

- The thermostat supports indicator (ID 0x50). To trigger this feature, use your Z-Wave Gateway identification function.
- When node identification is triggered by the Controller, the thermostat screen will blink.

Basic V1 (TH6320ZW2003) V2 (TH6320ZW2007) (basic set command implementation):

- Value 0x00 Device goes to Energy saving setting (AWAY mode)
- Values 0x01-0x63 and 0xFF Device goes to Comfort setting (HOME mode)

Notification V3:

- Notification V3 is enabled by default (Power management alarm handling). Notification Type: Power Management (0x08). Notification Events: AC mains disconnected (0x02), AC mains re-connected (0x03).

Security:

- All supported Z-Wave Command classes are supported securely, except Transport Service V2, Security 2 V1 and Z-Wave Plus Info V2

Association V2:

- Group ID: 1; Maximum Nodes: 1; Description: Z-Wave Plus Lifeline.
- Group 1 notifies an associated device of a change occurring in the thermostat. The changes include status of the sensors, operating modes, state of the thermostat, etc.
- Command Classes reported: Multilevel Sensor, Thermostat Setpoint, Thermostat Mode, Thermostat Fan Mode, Thermostat Operating State, Thermostat Fan State, Battery, Device Reset, and Notification.

5-YEAR LIMITED WARRANTY

For warranty information go to resideo.com

REGULATORY INFORMATION

FCC REGULATIONS
§ 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.

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

FCC Warning (Part 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.

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