Honeywell

T6 Pro Z-Wave Programmable Thermostat

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

Model(s)				
TH6320ZW2003	Qty.		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.

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. 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.

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)

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

Generic Device Type: Thermostat

Node type (C-wire): Always On Slave (AOS)

Node type (Battery): Listening Sleeping Slave (LSS)

Z-Wave Chipset: ZM5202AU

SUPPORTED Z-WAVE COMMAND CLASSES

Z-Wave Plus Info V2

Supervision V1

Transport Service V2

Association V2

Version V2

Association Group Information V2

Basic V1

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

Thermostat Mode V3:
- Some of the reported modes are manufacturer specific if not covered by the Z-Wave command class.
- The energy saving mode (Away state) is reported in "Manufacturer Data field 1" as follows:

    0 = Energy Saving Auto. System mode is Auto, Away state is active

    1 = Energy Saving EmHeat. System mode is EmHeat, Away state is active

Basic V1 (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 (S2 unauthenticated), 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
- Command Classes reported: Multilevel Sensor, Thermostat Setpoint, Thermostat Mode
- Thermostat Fan Mode, Thermostat Operating State, Thermostat Fan State

5-YEAR LIMITED WARRANTY

For Warranty information go to http://customer.honeywell.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 complies with Industry Canada's license-exempt RSSs.

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.

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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