

# Honeywell

# HZ322 TrueZONE<sup>®</sup> Panel

## SUBMITTAL SHEET

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

Model(s)			
HZ322	Qty.		Notes
HZ322K (Kit)	Qty.		Notes
Approval			
Service			
Tag No.			



## FEATURES

- Intuitive installer setup with easy-to-follow, digital display uses real language to guide installer through configuration
- Universal application for any HVAC system using conventional thermostat wiring (R W Y G C etc.)
- Standard checkout procedure ensures correct operation before leaving the job
- Robust push terminals for up to two wires per terminal
- Common-sense LEDs indicate stage of heat and damper state
- Control of two or three wire dampers with open or closed logic
- Variable-speed fan control lowers fan speed when one zone is calling for cooling
- Discharge air temperature staging down-stages equipment when near high or low limit

## APPLICATION

The HZ322 TrueZONE<sup>®</sup> panel controls:

- Conventional gas, oil, or electric forced-air systems up to 2 stages heat and cool;
- Heat pump systems with single stage compressor and auxiliary heat;
- 2 or 3 forced-air zones with wired thermostats, or wireless thermostats using optional wireless adaptor.



68-3072-02

# SPECIFICATIONS

**Input Ratings:**

Voltage: 18-30 VAC 50/60 Hz powered by a transformer of 40 VA or more

**Current Draw:**

Zone Panel: 7.5 VA max. All VA specifications at 24 VAC.

**Wiring:** 18- or 20-gauge solid (not stranded) wire

**Humidity Ratings:** 5% to 90% RH non-condensing

**Temperature Ratings:**

Shipping: -20° to 150°F (-29° to 66°C)  
 Operating: -40° to 165°F (-40° to 74°C)

**Dimensions:** See Fig. 1.

**Mounting:**

Mounts with either 2 user-supplied screws at center line to mount onto 2 x 4, or with 4 screws at corners for wall mount.

**Recommended Thermostats:** See Table 1.

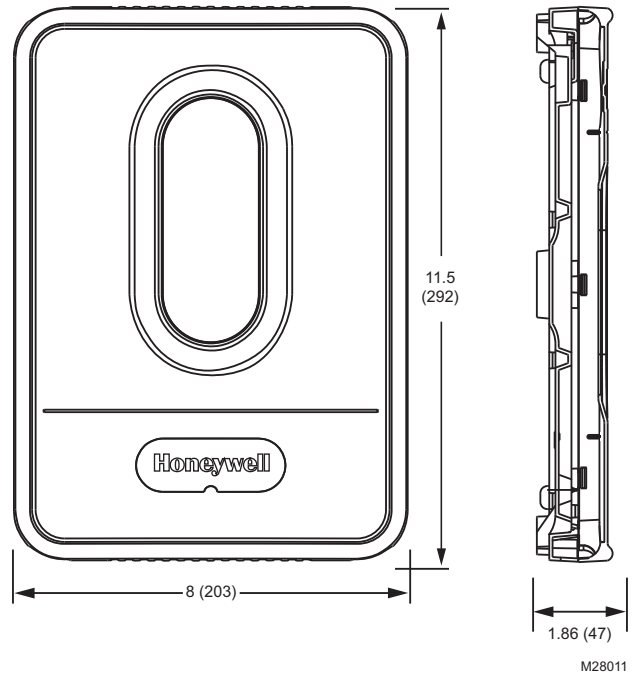
**Recommended Dampers:** See Tables 2 and 3.  
 For maximum number of dampers per zone see Table 4.

**Accessories:**

See Table 5.

**Emissions:**

Complies with FCC Class B, part 15 requirements.



**Fig. 1. HZ322 TrueZONE panel dimensions in in. (mm).**

**Table 1. Recommended thermostats.**

<b>RedLINK thermostats:</b>	
<b>TH8110R1008</b> (wired or wireless*) Single stage heat and cooling. No IAQ.	
<b>TH8320R1003</b> (wired or wireless*) 2H/2C heat pump without aux, 2H/1C with AUX or 2H/2C conventional. No IAQ.	
<b>TH8321R1001</b> (wired or wireless*) 2H/2C heat pump without aux, 2H/1C with AUX or 2H/2C conventional. Hum, Dehum, or Vent control when used as wired thermostat, or wireless to a THM5421R1021 EIM. EIM wired to one of the zones.	
<b>THX9421R1021</b> Prestige (2-wire R and C. Wireless to THM4000R/HZ432 or THM5421R1021 EIM.*) 2H/2C heat pump without aux, 2H/1C with AUX or 2H/2C conventional. Hum, Dehum, and Vent control when used with THM5421R1021 EIM. EIM wired to one of the zones.	
<b>TH6320R1004</b> programmable FocusPRO (wireless*) 2H/2C heat pump without aux, 2H/1C with AUX or 2H/2C conventional. No IAQ.	
<b>TH5320R1002</b> non-programmable FocusPRO (wireless*) 2H/2C heat pump without aux, 2H/1C with AUX or 2H/2C conventional. No IAQ.	
<b>Wired thermostat:</b>	
Battery powered, hard-wired, or mechanical	The HZ432 is compatible with most standard thermostats. The HZ432 allows you to choose stage 2 (and stage 3) control to be by thermostat, timer, or % of zones. If you want the thermostats to control staging, multi-stage thermostats are required.
Power stealing or phantom voltage (Lyric round, etc.)	We do not recommend using thermostats that operate on phantom voltage or power-stealing mode with the HZ432. Some of these models have an optional C wire. Models tested with a C wire worked correctly with the HZ432.
* RedLINK models without IAQ control need a THM4000R1000 wireless adaptor. One adaptor can be used for up to 4 RedLINK thermostats on HZ432. If IAQ control is required from the TH8321R1008 or THX9421R1021 model, a THM5421R1021 is required for the thermostat controlling IAQ equipment. That EIM wires to one of the zones on the HZ432.	

**Table 2. Recommended residential dampers.**

Type	Actuation	Round	Rectangular
Zone	Spring-open/power-closed	ARD	ZD
	Power-open/power-closed	RRD	
Bypass	Barometric	CPRD	None

**Table 3. Recommended commercial dampers.**

Type	Actuation	Round	Rectangular
Zone	Power-open/power-closed	MARD	D2 with ML6161A2009*
Bypass	Power-open/power-closed	MARD with SPC	D2 with ML6161A2009* and SPC

\*Or equivalent damper and actuator.

**Table 4. Maximum dampers\*.**

Ambient Temp.	Maximum Damper VA per Zone
100°F (38°C)	28.8
160°F (71°C)	16.8

\* Use an SDCR (Slave Damper Control Relay) for additional dampers.

- Maximum dampers per panel is limited by transformer size.
- Ensure transformer is large enough to power the panel (7.5 VA) and dampers.

**Table 5. Accessories.**

Description	Part Number
40 VA transformer	AT140A1042*
75 VA transformer	AT175A1008
Discharge air temperature sensor (DATS)	C7735A1000*
Outdoor Air Sensor (wired)	C7089U1006
Outdoor Air Sensor (wired)	C7089R1013 (THM4000R1000 wireless adaptor required)
Wireless adaptor	THM4000R1000
Slave damper control relay	SDCR

\*Included in HZ322K kit.

**Home and Building Technologies**

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