

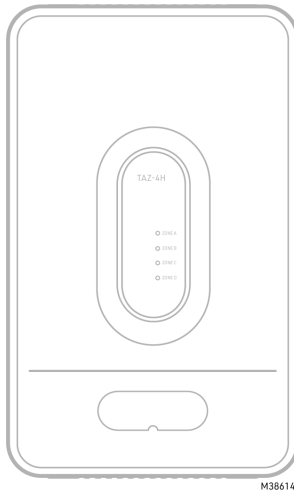


## TAZ-4H Add-A-Zone Panel

SUBMITTAL SHEET

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

Model(s)	
TAZ-4H	Qty.
Notes	
Approval	
Service	
Tag No.	



M38614

### APPLICATION

The TAZ-4H zone panel is designed for use with the HZ432 zone panel when more than 4 zones are required. Each TAZ-4H Zone panel can add up to 4 additional zones with a maximum of 32 zones per system.

In most applications each TAZ-4H would have a separate transformer. The HZ432 and TAZ-4H can share the same transformer as long as the transformer used has sufficient VA to power the panels and all dampers.

### FEATURES

- Intuitive installer setup with easy-to-follow, digital display uses real language to guide installer through configuration.
- Standard checkout procedure ensures correct operation before leaving the job.
- Robust push terminals for up to two wires per terminal.
- Common-sense LEDs indicate damper state.
- Control of two or three wire dampers with open or closed logic.

### SPECIFICATIONS

#### Input Ratings:

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

#### Current Draw:

Zone Panel: 8.5 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 Table 2.

For maximum number of dampers per zone see Table 3.

**Accessories:** See Table 4.

**Emissions:** Complies with FCC Class B, part 15 requirements.

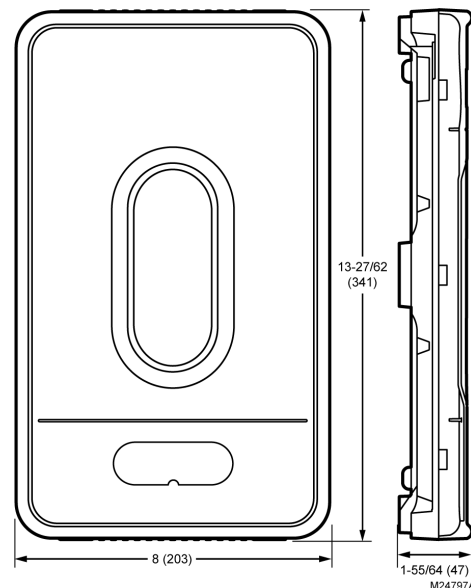


Fig. 1. TAZ-4H panel dimensions in in. (mm).



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**Table 1. Recommended Thermostats.**

Battery powered, hard-wired, or mechanical	The TAZ-4H is compatible with most standard thermostats. The TAZ-4H config menu allows you to select the type of thermostat for each zone with choices of conventional, heat pump-O (heat pump thermostat that energizes O in cool), or Heat pump-B (heat pump thermostat that energizes B in heat) 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: (Round Smart, etc.)	We do not recommend using thermostats that operate on phantom voltage or power stealing mode with the TAZ-4H. Some of these models have an optional C wire. Models tested with a C wire worked correctly with the TAZ-4H.
RedLINK wireless thermostats	The HZ432 can be used with a THM4000R1000 wireless adaptor and RedLINK wireless thermostats <u>only when the TAZ-4H is not used</u> . The TAZ-4H is not a RedLINK zone panel and neither the HZ432 nor TAZ-4H can be RedLINK to thermostats when more than 4 zones are needed. To use RedLINK wireless thermostats with the TAZ-4H, a separate EIM is needed for each wireless thermostat. The EIM wires to the zone it controls (R to R, C to C, Y to Y, etc.).

**Table 2. Recommended Dampers.**

Type	Actuation	Round	Rectangular
Zone	Spring-open/power-closed	ARD5TZ-ARD18TZ	ZD series. Model number is ZD then dimensions, then TZ. Actuator mounted on 2nd dimension listed. Example, ZD8X10TZ has the actuator mounted on 10" side.
	Power-open/power-closed	RRD5, RRD6, RRD7, RRD8 (Retrofit)	
	Power-open/power-closed	MARD6-MARD18	
Bypass	Barometric	CPRD	None

**Table 3. Maximum Dampers\*.**

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

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

- Maximum number of dampers per panel is limited by transformer size.
- Ensure transformer is large enough to power the panel (8.5 VA) and dampers.

**Table 4. Accessories.**

Description	Part Number
40 VA transformer	AT140A1042
75 VA transformer	AT175A1008
Secondary damper control relay	SDCR

Thermostats: The TAZ-4H can be configured to be used with conventional thermostats (using R, W, Y, G, etc.) or heat pump thermostats using a cool changeover valve (O terminal) or heat pump thermostats using an heat changeover valve (B terminal).

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