

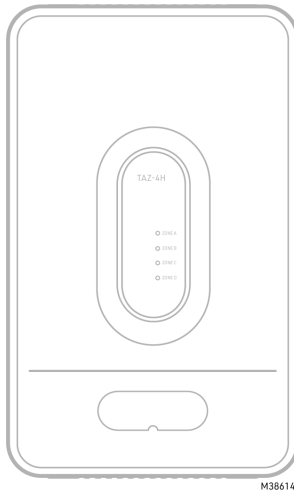


TAZ-4H Add-A-Zone Panel

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.

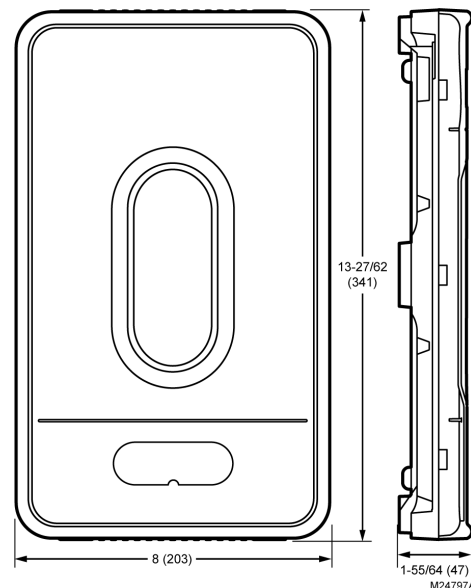


Fig. 1. TAZ-4H panel dimensions in in. (mm).



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. <ul style="list-style-type: none"> • 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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