

TotalZone® Add-A-Zone™ (TAZ-4) Zone Control Panel

INSTALLATION INSTRUCTIONS

APPLICATION

The TAZ-4 is a zone panel used to add zones to the TZ-4. See Fig. 1. The TZ-4 provides up to four zones. Each TAZ-4 can add up to four additional zones for a total of 32 zones. The TAZ-4 is also compatible with the TZ-3, Rev 4.2.2, zone control panel and with the TAZ-1, TAZ-2 and TAZ-3, Rev 4, Add-A-Zone panels.

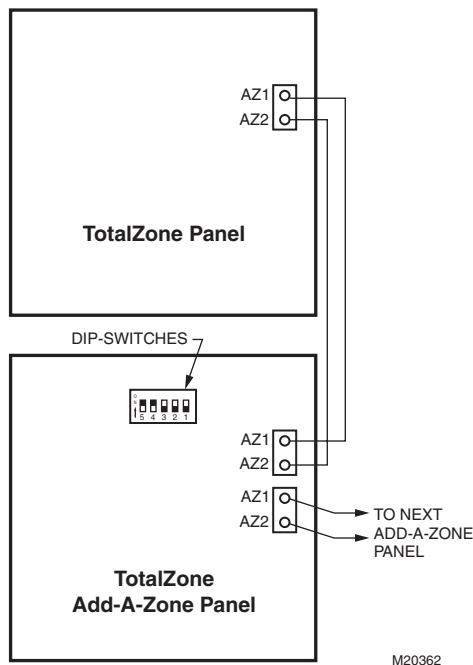


Fig. 1. TAZ-4 Zone Control Panel.

INSTALLATION

When Installing this Product . . .

1. Read these instructions carefully. Failure to follow them could damage the product or cause a hazardous condition.
2. Check the rating given in the instructions and on the product to make sure the product is suitable for your application.

3. Installer must be a trained, experienced service technician.
4. After installation is complete, check out product operation as provided in these instructions.
5. Follow local codes for installation and application.



CAUTION

Voltage Hazard.

Can cause electrical shock or equipment damage.
Disconnect power before beginning installation.

Location

Select a location for the TAZ-4 as close as possible to the Total Zone panel.

Mounting

Mount the TotalZone Add-A-Zone Panel as close as possible to the TotalZone Panel. See Fig. 1.

WIRING



CAUTION

Electrical Interference Hazard.

Running cable near line voltage can interfere with panel operation.

Run cable connecting AZ terminals at least 12 in. from line voltage wiring.

IMPORTANT

Be sure AZ1 and AZ2 wires do not cross and are a minimum of 12 in. from any line voltage wiring. If not possible, use shielded cable for AZ1 and AZ2 wires.

NOTE: Only two wires are required to connect the TAZ-4 panels to the main TZ-4 panel. Each TAZ-4 is wired in a daisy chain or parallel to each other, connecting the AZ1 and AZ2 terminals between panels.

Connect the AZ1 and AZ2 terminals on both panels using standard 18-gauge thermostat wire:

1. Connect AZ1 on the TotalZone panel to AZ1 on the Add-A-Zone panel.
2. Connect AZ2 on the TotalZone panel to AZ2 on the Add-A-Zone panel.



3. Connect a 24V, 40 VA transformer to terminals R and C. R is Hot and C is 24 Vac (Common). See Fig. 2.
4. If there are five to ten ARD or ZD dampers connected to the TAZ-4, wire an additional 40 VA transformer to T1 and T2. See Fig. 2.
5. Connect damper and thermostat wiring as shown in Fig. 2.

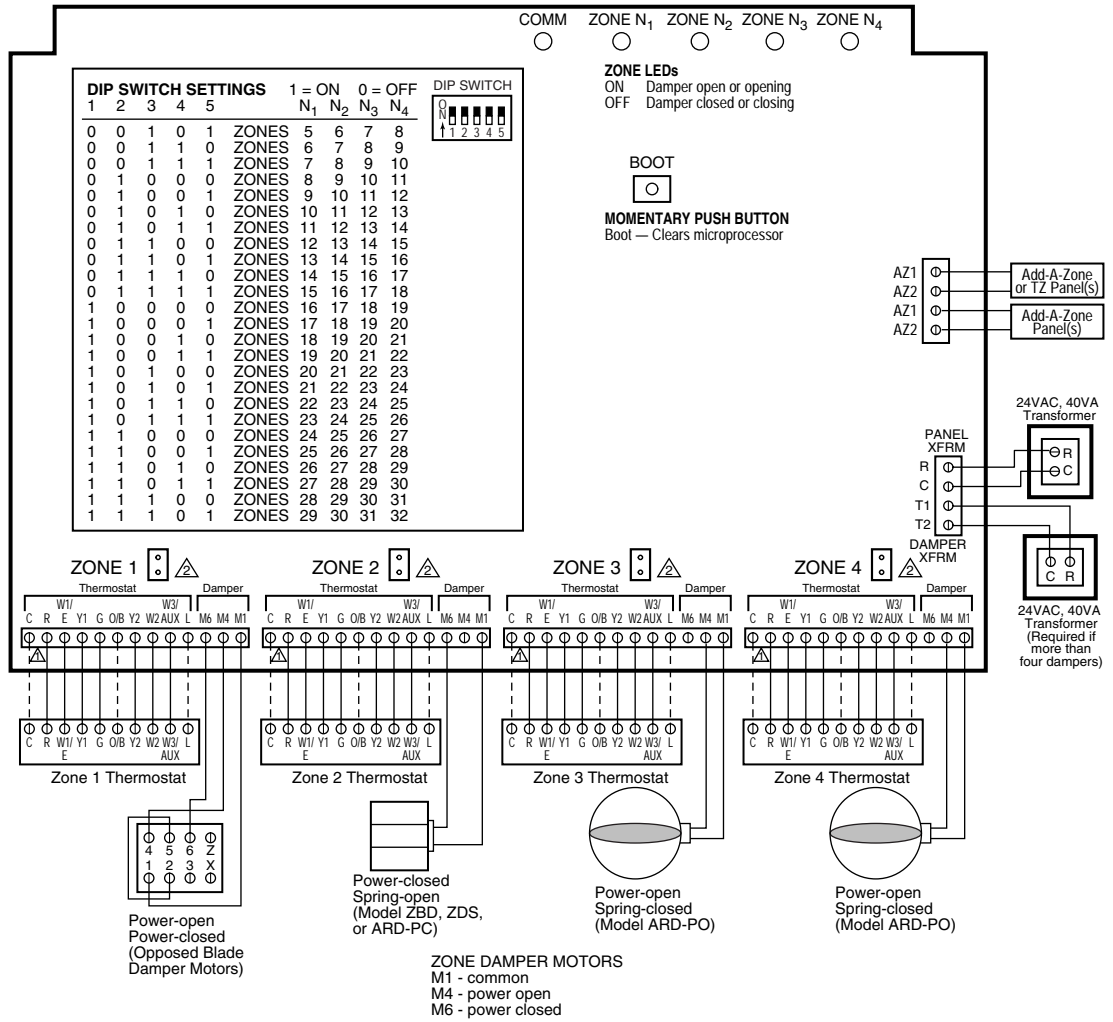
SETUP

Each TAZ-4 panel has a set of five DIP switches. When using a TZ-4 and one TAZ-4, set DIP switches 1, 2, and 4 to off and switches 3 and 5 to on. Refer to Table 1 for other panel configurations. Identify the zones that are controlled by the TAZ-4 panel and set the DIP switches accordingly.

If the TAZ-4 is connected to a TZ-3 zone control panel, set DIP switches 1, 2, and 4 to off, and switches 3 and 5 to on. Set the switches on additional TAZ-1, TAZ-2, and TAZ-3, or TAZ-4 panels to control the zones they are wired to; but be careful that there is no duplication of zone numbers. See Table 1.

Table 1. DIP Switch Settings.

Zones	Switch Positions				
	Switch 1	Switch 2	Switch 3	Switch 4	Switch 5
5-8	0	0	1	0	1
6-9	0	0	1	1	0
7-10	0	0	1	1	1
8-11	0	1	0	0	0
9-12	0	1	0	0	1
10-13	0	1	0	1	0
11-14	0	1	0	1	1
12-15	0	1	1	0	0
13-16	0	1	1	0	1
14-17	0	1	1	1	0
15-18	0	1	1	1	1
16-19	1	0	0	0	0
17-20	1	0	0	0	1
18-21	1	0	0	1	0
19-22	1	0	0	1	1
20-23	1	0	1	0	0
21-24	1	0	1	0	1
22-25	1	0	1	1	0
23-26	1	0	1	1	1
24-27	1	1	0	0	0
25-28	1	1	0	0	1
26-29	1	1	0	1	0
27-30	1	1	0	1	1
28-31	1	1	1	0	0
29-32	1	1	1	0	1



⚠ "C" terminal connection is not required on battery powered, power stealing, or some electromechanical thermostats.

⚠ Leave jumper disconnected for "B" type or conventional thermostats. Connect jumper for "O" type thermostats.

This diagram shows the typical thermostat and damper motor connections. For specific wiring for other thermostats and damper motors, refer to the Installation Instructions.

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Fig. 2. Wiring Add-A-Zone panel.

TECHNICAL SUPPORT

For Internet access: www.trolatemp.com or

www.honeywell.com/yourhome/zoning/zoning_home.htm

Call 1-800-828-8367 for zoning technical support line.

To download Zoning literature: <http://hbctechlit.honeywell.com>

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