

AQ255 and AQ257 Series Expansion Zoning Panels

PRODUCT DATA



FEATURES

The AQ255/AQ257 Series Expansion Zoning Panels have the following features:

- **Availability of 4 Expansion Zoning Panels.**
- **Zone control of either pumps or zone valves, in multiples of 4 zones**
- **4-zone or 8-zone models for pump zoning; 4-zone models for zone valves**
- **Ability to use both zone valve models and zone pump models in the same installation**
- **Zone valve panels contain an AQ10X38 transformer (power supply module), which connects to 120 Vac power and supplies 24 Vac power to the Zoning Module.**
- **Communications between components via the AQUATROL® network, using communication bus wiring.**
- **Any panel can be configured to activate a group pump when zones are active**
- **Zone valve models can be used with Normally Open or Normally closed valves**
- **Can be installed up to 500 ft. away from main AQ2000 Control Panel, for convenient operation of remote zoning equipment**

PRODUCT DESCRIPTION

The AQ255/AQ257 Series Expansion Zoning Panels provide additional zoning capacity for an existing hydronic installation controlled by an AQ2000 Series Boiler Control Panel such as an AQ250 Relay Boiler Control, an AQ251 Reset Boiler Control, or an AQ252 Universal Injection/Mixing Boiler Reset Control.

IMPORTANT

To ensure correct installation and proper operation of the zoning panel, perform the 7 installation steps in the order numbered in the "Contents" below.

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SPECIFICATIONS

The AQ2000 Series Expansion Zoning Panels are listed in Table 1.

Table 1. AQ2000 Series Expansion Zoning Panels.

Expansion Zoning Panel	Zoning Module	# of Zoning Modules	Transformer included
AQ25542B	AQ15540B	1	No
AQ25582B	AQ15540B	2	No
AQ25742B	AQ15540B	1	Yes
AQ25744B	AQ15740B	1	Yes

Application: Controls zoning operations for hydronic zoning systems.

Power and Electrical Ratings:

Power Supply: 120 Vac / 60Hz

B-B Communication Bus Terminals: Low voltage, Class II, 2-wire polarity-insensitive, digital communicating link to other Control or Zoning modules

Zone Pump Output Rating: 120 Vac, 5A, 1/3 HP

Zone Valve Output Rating: 24 Vac, 0.5A, 12VA

Electrical Connections (Line Voltage): Wire-clamp screw terminals; maximum 2 x 14 AWG each on line voltage terminals

Environmental Ratings:

Temperature Rating: 32°F to 130°F (0°C to 55°C)

Operating Humidity Range (% RH): 5 to 90% RH, non-condensing

Temperature Ratings:

Sensor Temperature Rating: -58°F to 230°F (-50°C to 110°C)

Inputs/Outputs:

R-C Input: 24 Vac Class II

R-C Output (on transformer; AQ25742B and AQ25744B only): 38 VA, 24 Vac Class II

Thermostat Compatibility: Digital non-communicating thermostats and/or AQ1000 Series 2-wire communicating thermostats

Dimensions (HxWxD): 8.0 x 9.4 x 3.3 in. (20.3 x 23.8 x 8.5 cm) approximate

Weight: 3.9 lb. (1.8 kg)

Approvals: Canadian Standards Association: Certified, File No. LR76030

1 INSTALLATION PREPARATION

NOTES: Throughout these instructions, the following terminology conventions are used:

- **AQ155** refers to the AQ15540B Zoning Module.
- **AQ157** refers to the AQ15740B Zoning Module.
- **AQ255** refers to all of the AQ25542B, AQ25582B and AQ25742B Expansion Zoning Panels.
- **AQ257** refers to the AQ25744B Expansion Zoning Panel. Where there are specific instructions or details relating to the -42B, -82B, or -44B Expansion Zoning Panels, the full model number is used (e.g., AQ25744B).
- **AQ2000 Series Control Panel** is used when the information applies to any of the AQ2000 Series Boiler Control Panels, including AQ25A, AQ250, AQ251, AQ252, etc.
- **Control Module** refers to the component within the AQ2000 Series Control Panel that performs the master control operations.
- **Control Panel** refers to an assembled product, consisting of a transformer, Control Module and (if applicable) a Zoning Module, all contained within an AQ2000 panel enclosure.
- **Expansion Zoning Panel** refers to an assembled product, consisting of a Zoning Module and (if applicable) a transformer, contained within an AQ2000 panel enclosure.
- **Zoning Module** refers to the component within the AQ2000 Series Control Panel that controls zoning operations. Zoning Modules are available in either 4-zone or 8-zone configurations.

ORDERING INFORMATION

When purchasing replacement and modernization products from your TRADELINE® wholesaler or distributor, refer to the TRADELINE® Catalog or price sheets for complete ordering number. If you have additional questions, need further information, or would like to comment on our products or services, please write or phone:

1. Your local Honeywell Environmental and Combustion Controls Sales Office (check white pages of your phone directory).
2. Honeywell Customer Care
1885 Douglas Drive North
Minneapolis, Minnesota 55422-4386
3. <http://customer.honeywell.com> or <http://customer.honeywell.ca>

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