

AQ2000 Series Replacement Control Modules



Replacement control modules for AQ2000 panels

Application: Replacement boiler control module for AQ250
User Interface (Setting, Programming): (DIP Switches)

Electrical Connections (Line Voltage): Wire-clamp screw terminals, Maximum 2 x 14 AWG each on line voltage terminals
Control and Zoning Panel Temperature Rating: 32 F to 130 F (0 C to 55 C)
Boiler Heat Post Purge: Off, 10 seconds to 30 minutes (factory default is 30 seconds)
Boiler (T-T) Output Rating: 24 Vac, 0.5A, 12VA
Boiler Differential: 2F to 41F (1C to 23C), or Auto (minimum 2 minutes on time)
DHW Demand Input: External dry contacts connection only
Pump/Valve exercise: 30 seconds per 2 weeks of space heating inactivity
Heat Demand (Thermostat R-W) Input: External dry contacts connection only
B-B Communication Bus Terminals: Low voltage, Class II, 2-wire polarity-insensitive, digital communicating link to other Control or Zoning modules.
R-C Input (on Control and Zoning Modules): 24 Vac Class II (input on Control and Zoning Modules)
Operating Humidity Range (% RH): 5 to 90% RH, non-condensing
Approvals
Canadian Standards Association: CSA C/US Certified to CSA and UL Standards, File No. LR76030

Product Number	Mixing Valve Floating Output (Com,O,C)	Mixing Valve Modulating Output	User Interface (Setting, Programming)	Dimensions, Approximate		Weight	
				inch	mm	lb	kg
AQ1500B/U	—	—	DIP Switches	3 1/2 in wide x 2 1/2 in high x 4 1/4 in deep	9 cm wide x 94 cm high x 10.09 cm deep	0.5 lb	0.23 kg
AQ1510B/U	—	0-10 Vdc to boiler	LCD Display and a 7 button Key Pad	7 1/8 in wide x 2 1/2 in high x 4 1/4 in deep	18 cm wide x 94 cm high x 10.09 cm deep	1.0 lbs	0.5 kg
AQ1520B/U	24Vac rated dry contacts	0-10 Vdc to boiler or mixing valve	LCD Display and a 7 button Key Pad	7 1/8 in wide x 2 1/2 in high x 4 1/4 in deep	18 cm wide x 94 cm high x 10.09 cm deep	1.0 lbs	0.5 kg
AQ1540B/U	24Vac rated dry contacts	0-10 Vdc to mixing valve	LCD Display and a 3 button Key Pad	3 1/2 in wide x 2 1/2 in high x 4 1/4 in deep	9 cm wide x 94 cm high x 10.09 cm deep	0.7 lb	0.3 kg
AQ15A00B/U	—	0-10 Vdc to boiler	LCD Display and a 7 button Key Pad	7 1/8 in wide x 2 1/2 in high x 4 1/4 in deep	18 cm wide x 94 cm high x 10.09 cm deep	1.0 lbs	0.5 kg

AQ2000 Series Replacement Zoning Modules



Replacement Zoning Modules for AQ2000 panels

Application: Replacement 4 zone pump expansion module for AQ25542
Dimensions, Approximate: 3 1/2 in wide x 2 1/2 in high x 4 1/4 in deep (9 cm wide x 94 cm high x 10.09 cm deep)
User Interface (Setting, Programming): (DIP Switches)

Electrical Connections (Line Voltage): Wire-clamp screw terminals, Maximum 2 x 14 AWG each on line voltage terminals
Control and Zoning Panel Temperature Rating: 32 F to 130 F (0 C to 55 C)
Thermostat Compatibility: AQ1000 Series 2-wire communicating thermostats and most digital thermostats
Zone Module Thermostat input: Low voltage, Class II, 2-wire polarity-insensitive, digital communicating with power link to AQ1000 series thermostat.
Zone Output Contact Rating: 120 Vac/250 Vac, 5A, 1/3 HP
B-B Communication Bus Terminals: Low voltage, Class II, 2-wire polarity-insensitive, digital communicating link to other Control or Zoning modules.
R-C Input (on Control and Zoning Modules): 24 Vac Class II (input on Control and Zoning Modules)
Operating Humidity Range (% RH): 5 to 90% RH, non-condensing
Weight: 0.6 lb (0.3 kg)
Approvals
Canadian Standards Association: CSA C/US Certified to CSA and UL Standards, File No. LR76030

Product Number	Type of Zoning Devices Controlled	Number of Zones Controlled	User Interface (Setting, Programming)
AQ15540B/U	Zone pumps or 2-wire valves (line voltage)	4	DIP Switches
AQ15740B/U	Zone valves with end switches	4	DIP Switches