

## Aquatrol Control Panels – Single and Multi-Zone Systems

Boiler Control Panels	
	<b>AQ25042B</b> Boiler Control with DHW Priority for 4 Zones of Pumps or 2-Wire Valves (without end switches). Old Part Number: AQ2504B2
	<b>AQ25044B</b> Boiler Controller with DHW Priority for 4 Zones of 4-Wire Valves (with end switches). Old Part Number: AQ2504B4
Programmable Boiler Control Panels	
	<b>AQ25A42B</b> Programmable Control Panel for 4 Zones of Pumps or Zone Valves (without end switches). Old Part Number: AQ25A4B2
	<b>AQ25A44B</b> Programmable Control Panel for 4 Zones of Valves with end switches. Old Part Number: AQ25A4B4
Boiler Reset Control Panels	
	<b>AQ25142B</b> Boiler Reset Controller with DHW Priority for 4 Zones of Pumps or 2-Wire Valves (without end switches). Old Part Number: AQ2514B2
	<b>AQ25144B</b> Boiler Reset Controller with DHW Priority for 4 Zones of 4-Wire Valves (with end switches). Old Part Number: AQ2514B4
Universal Injection/Mixing Boiler Reset Control Panel	
	<b>AQ25242B</b> Universal Injection/Mixing Boiler Reset Control Panel with DHW Priority for 4 Zones of Pumps or Valves (without end switches). Old Part Number: AQ2524M2
	<b>AQ25244B</b> Universal Injection/Mixing Boiler Reset Control Panel with DHW Priority for 4 Zones of Valves (with end switches). Old Part Number: AQ2524M4
Single-Zone Boiler Reset Control Panel	
	<b>AQ25110B</b> Boiler Reset Control Panel with DHW Priority. Old Part Number: AQ2511B0

## Sensors

	<b>AQ12C11</b> Supply/Return Sensor		<b>AQ12C10</b> Outdoor Sensor		<b>AQ12C20</b> Slab/Floor Sensor
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## Aquatrol Expansion Panels

Add-A-Temperature Expansion Control Panel	
	<b>AQ25400B</b> Adds an extra reset temperature to an Aquatrol panel, expands network capacity by an additional 16 zones. Old Part Number: AQ2541E0
Zoning Expansion Panels	
	<b>AQ25542B</b> Expansion Zoning Panel for up to 4 Zones of Pumps. Old Part Number: AQ2554P2X
	<b>AQ25582B</b> Expansion Zoning Panel for up to 8 Zones of Pumps. Old Part Number: AQ2558P2X
	<b>AQ25742B</b> Expansion Zoning Panel for up to 4 Zones of Valves (without end switches). Old Part Number: AQ2554V2
	<b>AQ25744B</b> Expansion Zoning Panel for up to 4 Zones of Valves (with end switches). Old Part Number: AQ2574V4

## Aquatrol Communicating Thermostats

Programmable Communicating Thermostat	
	<b>AQ1000TP2</b> <ul style="list-style-type: none"> <li>• Communication with Aquatrol panels for enhanced capabilities</li> <li>• 7-Day programmable with up to 4 unique programs per day</li> <li>• Controls both heating and cooling</li> <li>• 2-wire polarity insensitive for easy installation</li> <li>• Date and time displayed on-screen</li> <li>• Outdoor temperature displayed on-screen</li> </ul>
Non-Programmable Communicating Thermostat	
	<b>AQ1000TN2</b> <ul style="list-style-type: none"> <li>• Communication with Aquatrol panels for enhanced capabilities</li> <li>• 2 unique programs per day</li> <li>• Controls heating only</li> <li>• 2-wire polarity insensitive for easy installation</li> <li>• Outdoor temperature displayed on-screen</li> </ul>

## Replacement Modules

Replacement Boiler Control Modules	
	<b>AQ15000B</b> Replacement control module for AQ250 panels. Old Part Number: AQ1500B0
	<b>AQ15A00B</b> Replacement programmable control module for AQ25A panels. Old Part Number: AQ15A0B0
	<b>AQ15100B</b> Replacement reset control module for AQ251 panels. Old Part Number: AQ1510B0
	<b>AQ15200B</b> Replacement universal injection/mixing reset control module for AQ252 panels. Old Part Number: AQ1520B0
Add-A-Temperature Expansion Control Module	
	<b>AQ15400B</b> Replacement Add-A-Temperature expansion control module for the AQ254 Series Panels. Old Part Number: AQ1540B0
Replacement Zoning Module	
	<b>AQ15540B</b> Replacement Zoning Module for 4 Zones of Pumps or 2-Wire Valves. Old Part Number: AQ1554P2
	<b>AQ15740B</b> Replacement Zoning Module for 4 Zones of 4-Wire Valves (with end switches). Old Part Number: AQ1574V4
Replacement Transformer Module	
	<b>AQ10X38</b> Replaces all Aquatrol panel transformers. Adds 38VA power per transformer to drive high VA devices.

## Aquatrol Control Panels - Single and Multi-Zone Systems

	MODEL	TYPE	APPLICATIONS				ENERGY-SAVINGS FEATURES				EQUIPMENT PROTECTION FEATURES		HOT WATER MANAGEMENT				EASY INSTALLATION			EASY TROUBLESHOOTING		ADDITIONAL FEATURES	FLEXIBLE CUSTOMIZATION FEATURES					FEATURES AVAILABLE WITH COMMUNICATING THERMOSTATS			WARRANTY					
			Programmable	Expandable up to 64 zones by using AQ254 panels	Number of reset temperatures controlled	Direct control of modulating/condensing boilers (0-10Vdc)	Zone Synchronization	Boiler Post Purge	Temperature adjustment using indoor feedback (load adaptive reset) or indoor/outdoor feedback (outdoor reset) <sup>2</sup>	Freeze Protection	Pump/Valve Exercise	Integral Domestic Hot Water Management	Domestic Hot Water Priority (override) protection	Separate setpoint targets for boiler maximum and DHW	DHW vacancy setpoints	Heat Demand Priority and Priority Override	Automated test feature for quick start-up	Automated purge for quick start-up	Edit all zone settings at once from central control panel <sup>2</sup>	Test feature for simple troubleshooting	Data logging of relay activity (useful for property managers)		Daylight Saving Time auto-changeover <sup>3</sup>	Coordinate 1 zone of A/C with multiple zones of cooling when used with an AQ1000TP2 thermostat	Option to Use Return Sensor as DHW sensor	Optional Auxiliary Out (low voltage) closure on DHW call	Optional Auxiliary Out (line voltage) closure on DHW call	Optional Auxiliary Out (line voltage) closure on Heat call	Editing zone settings from control panel	Central set-back schedules		Outdoor Temperature displayed on all thermostats	Zone by zone freeze protection	2 Year Warranty		
<b>Multi-Zone Controls</b>																																				
AQ252 Reset & Mixing Injection	AQ25242B	Pumps or 2-Wire Valves	Y	•	2	•	•	Adjustable length	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	AQ25244B	4-Wire Valves	Y	•	2	•	•	Adjustable length	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
AQ251 Reset	AQ25142B	Pumps or 2-Wire Valves	Y	•	1	•	•	Adjustable length	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	AQ25144B	4-Wire Valves	Y	•	1	•	•	Adjustable length	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
AQ25A Relay "Plus"	AQ25A42B	Pumps or 2-Wire Valves	Y	•		•	•	Adjustable length	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	AQ25A44B	4-Wire Valves	Y	•		•	•	Fixed length	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
AQ250 Relay	AQ25042B	Pumps or 2-Wire Valves		•			•	Fixed length		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	AQ25044B	4-Wire Valves		•			•	Adjustable length		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
<b>Single Zone Controls</b>																																				
AQ251 Reset	AQ25110B	1-Zone Reset Pumps or Valves	Y	•		•	•																													•

1 Available Only with Communication Thermostats  
 2 Only with AQ Thermostats  
 3 Only with TP2 Thermostats with flexible customization features

## Aquatrol Expansion Panels

	MODEL	DESCRIPTION	EXPANSION CONTROL FUNCTIONS				ENERGY-SAVINGS FEATURES	EXPANSION ZONING PANEL FEATURES				WARRANTY	
			Adds an additional reset water temperature to any main control panel	Mixed loop temperature controlled by variable speed injection pump or motorized mixing valve	Extends capacity of network by 16 zones for each expansion control panel installed	Zone Synchronization		Number of Zones	38 VA Transformer Included	Auto-test function checks connected zones at system start-up	User Interface		2-Year Warranty
<b>Add-A-Temp Expansion Control Panel</b>													
AQ254 Add-A-Temp Expansion Control Panel	AQ25400B	Use with AQ255 or AQ257 Expansion Zoning Panels	•	•	•	•						LCD	•
<b>Expansion Zoning Panels – to expand an Aquatrol Hydronic Control panel (250,25A,251 or 252 series)</b>													
AQ255 Expansion Zoning Panels for pumps	AQ25582B	8 Zones of Pumps					8	•	•	•	•	LEDs	•
	AQ25542B	4 Zones of Pumps					4	•	•	•	•	LEDs	•
	AQ25742B	4 Zones of 2-Wire Zone Valves					4	•	•	•	•	LEDs	•
AQ257 Expansion Zoning Panel for zone valves	AQ25744B	4-Zones of 4-Wire Zone Valves					4	•	•	•	•	LEDs	•

## Aquatrol Communicating Thermostats

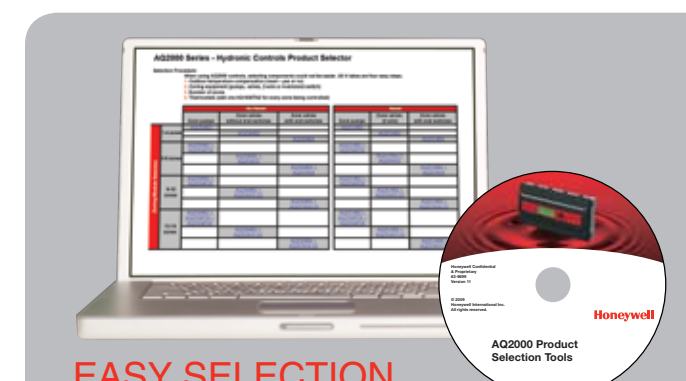
	MODEL	SCHEDULE OPTIONS		USER INTERFACE			APPLICATION	FEATURES AND FUNCTIONS								WARRANTY																					
		Number of Unique Programs Per Day	Zone settings can be programmed from main AQ control panel	Indoor and Outdoor temperature displayed	Date and Time displayed	Soft Keys		Easy-to-read backlit display	Controls Zone Heating and 1 A/C Unit	Controls Heat Only	Retains settings after extended power loss	Min/Max setpoint and vacancy settings for air and/or floor temperatures from AQ panel	Lock-Out of individual zone thermostats from main AQ control panel	Zone by zone freeze protection	Compatible with AQ12C20 floor sensor for in-floor heating		2-wire polarity insensitive installation	2-Year Warranty																			
Programmable Communicating 7-day Thermostat	AQ1000TP2	4	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	
Non-Programmable Communicating Thermostat	AQ1000TN2	2	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

## Replacement Modules and Enclosures

	MODEL	DESCRIPTION	WARRANTY
		Unique Programs Per Day	2 Year Warranty
<b>Transformer Module</b>			
Transformer Module	AQ10X38	Adds 38 VA Power, Use with AQ Enclosures	•
<b>Boiler Control Modules</b>			
Replacement for AQ254	AQ15400B	Add-a-Temp	•
Replacement for AQ252	AQ15200B	Reset & Mixing Injection	•
Replacement for AQ251	AQ15100B	Reset	•
Replacement for AQ25A	AQ15A00B	Relay "Plus"	•
Replacement for AQ250	AQ15000B	Relay	•
<b>Zoning Module</b>			
Replacement for Pumps/2-Wire Zone Valves	AQ15540B	Compatible with both communicating and non-communicating electronic thermostats	•
Replacement for 4-Wire Zone Valves	AQ15740B		•
<b>Enclosures</b>			
Small (10 DIN width)	AQ11D10	Use as an enclosure for additional transformers, or to hide wiring. Includes integral DIN mounting rail.	•
Medium (15 DIN width)	AQ11D15		
Large (20 DIN width)	AQ11D20		

## Sensors

	MODEL	FEATURES AND FUNCTIONS		
		Jacketing length (in feet)	Can be connected up to 500 feet from control	Includes mounting bracket
Outdoor Sensor	AQ12C10	10	•	•
Supply/Return Sensor	AQ12C11	10		
Slab/Floor Sensor	AQ12C20	15	•	



## EASY SELECTION

**Intuitive selection tool** lets you answer just a few simple questions and gives you the exact Bill of Materials and wiring configuration for the job (Form #63-9699).

- Available on CD ROM, or online at [www.customer.honeywell.com/aquatrol](http://www.customer.honeywell.com/aquatrol)