# Honeywell

# AQ25042B RelayPLUS Zone Synchronizing Boiler Control

System commissioning date:
Customer:
Building address:

### **INSTALLATION JOB RECORD**

#### **INSTRUCTIONS:**

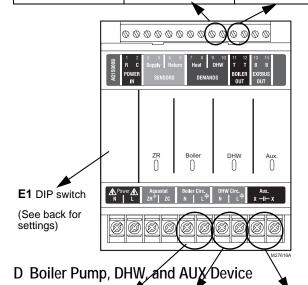
Fill in the details of the equipment connected to the control module and the zoning module: **A** Low voltage control module wiring

- Low voltage zone thermostats

- C Low voltage zone thermostats
  C Low voltage zone valves with end switches or line voltage pumps
  D Line voltage Boiler pump and DHW device
  E Review and set DIP switch settings once the DIP switches for the control module (AQ15000B) and zoning module (AQ15540B) have been set, complete the "Installer Settings" diagrams by filling in the circles to indicate the DIP switch position set during installation.
  File this with other installation records for equipment used on this installation.

#### A Boiler Control Module

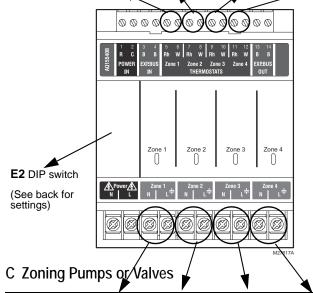
9-10	11-12
DHW	Boiler
DHW demand	Boiler demand
	DHW



Terminal ID	Boiler	DHW	AUX
Function	Boiler loop control	DHW loop control	Line voltage-rated Aux device control (installer-defined)
Equipment			
Manufacturer			
Model #			
Power (Amps)			
Notes			

## B Zoning Thermostats

Terminal #	5-6	7-8	9-10	11-12	
Terminal ID	TH1	TH2	TH3	TH4	
Function	Zone call for heat				
Equipment					
Manufacturer					
Model #					
Date Code					
Notes					



Terminal ID	Zone 1	Zone 2	Zone 3	Zone 4
Function	Zone control			
Equipment (circle one)	Pump / Valve	Pump / Valve	Pump / Valve	Pump / Valve
Manufacturer				
Model #				
Power draw Amps (pumps) VA (valves)				
Notes				



## E1 Boiler Control Module DIP Switch Settings (AQ15000B)

DIP S	witch	Switch Description	Label	Factory Setting	Installer Setting
			AQ15000B  Diagnostic  Test	O Diagnostic O Test	O Diagnostic O Test
	1	DHW Device: Pump or Valve	Pump Valve		$\bigcirc -\bigcirc$
	2	DHW Priority: Off or Priority	≥ Off Priority Off O/Ride	N	
DHW	3	DHW Priority Override: Off or O/Ride (override)	古 Off   O/Ride	ω	0-0
	4	Boiler post purge location: Off = zones only; Purge = DHW tank first, then zones	Off Purge	4 4	
Aux.	5	Aux output: Main = default; Group = group pump			
Aux.	6	Aux output: Main = default; Bypass = boiler bypass pump	mam Bypass	~ <b>~</b>	0-0
Mass	7	Load Mass: Lo = Low mass (baseboard); Hi = High mass (radiant slab)	Mass Lo Hi N/A N/A	∞ ◆	0-0
	8	Not used at this time	M23719A	M29043	M23715
					Fill in the circle to indicate position of DIP switch.

# E2 Zoning Module DIP Switch Settings (AQ15540B)

DIP Switch	Switch Description	Label	Factory Setting	Installer Setting
1 2 3 4	Zone Address: The positions of these 4 DIP switches define the unique address for each zone on the AQUATROL network. For each group of 4 zones, there can be only one DIP switch in the right hand (On) position.  The correct DIP switch settings for each zone module are:  First Zone (1-4) Module: 1 = ON position; 2, 3, & 4 = OFF position  Second Zone (5-8) Module: 2 = ON position; 1, 3, & 4 = OFF position  Third Zone (9-12) Module: 3 = ON position; 1, 2, & 4 = OFF position  Fourth Zone (13-16) Module: 4 = ON position; 1, 2, & 3 = OFF position	AQ15540B  Diagnostic  Test	O Diagnostic O Test	O Diagnostic O Test
5	<ul><li>If set to SYNC, zone synchronization is enabled.</li><li>If set to NOT, zone synchronization is disabled.</li></ul>	$\begin{bmatrix} & & \frac{1-4}{5-8} \end{bmatrix}$		0-0
6	<ul> <li>If zone valves are normally closed (N.C.), set the NC/NO DIP switch to the OFF position.</li> <li>If zone valves are normally open (N.O.), set the NC/NO DIP switch to the ON position.</li> </ul>	5-8 9-12 13-16 Sync Not	ω	0-0 0-0 0-0
7	<ul> <li>If set to Group (ON position) the zone outputs are energized with the AUX pump*.</li> <li>If set to - (OFF position), the AUX Pump contacts are not affected by activity on these zones</li> </ul>	N/C N/O - Group 1-Stg 2-Stg	6 <b>4</b>	0-0 0-0
8	<ul> <li>If set to 2-Stg (ON position), then 2-stage operation is activated on thermostat inputs. The zoning module operates as two 2-stage zones or 3 zones (one 2-stage and two 1-stage).</li> <li>If set to 1-Stg (OFF position), then operates as four 1-stage zones.</li> </ul>	M23720A	M34972	M23715 Fill in the circle to indicate position of DIP switch.

<sup>\*</sup> The AQ15000B Boiler Control Module DIP switch #5 must be set to GROUP position and DIP switch #6 must be set to MAIN position.

### **Automation and Control Solutions**

Honeywell International Inc. 1985 Douglas Drive North Golden Valley, MN 55422 customer.honeywell.com

