

AQ25110B Outdoor Reset Zone Synchronizing Boiler Control

System commissioning date: _____

Customer: _____

Building address: _____

INSTALLATION JOB RECORD

INSTRUCTIONS:

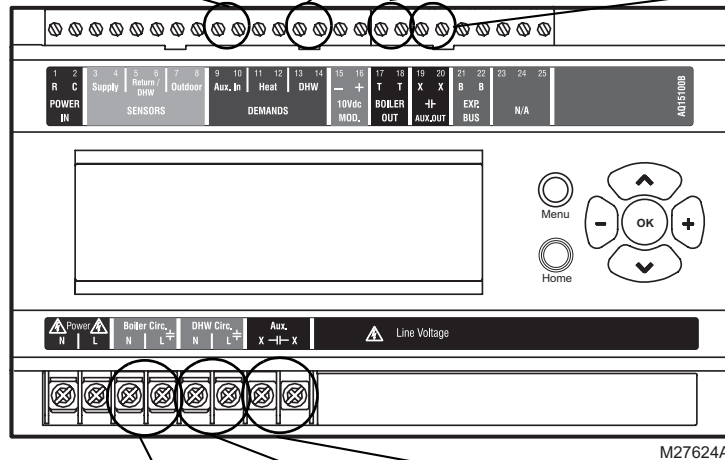
Fill in the details of the equipment connected to the control module and the zoning module:

- A Low voltage control module wiring
- B Line voltage Boiler pump, DHW pump and AUX output

File this with other installation records for equipment used on this installation.

A Boiler Control Module

| Terminal # | 9-10 | 13-14 | 17-18 | 19-20 |
|--------------|-------------------|------------|---------------|-------------------|
| Terminal ID | Aux In | DHW | Boiler | Aux Out |
| Function | Installer defined | DHW demand | Boiler demand | Installer defined |
| Equipment | | | | |
| Manufacturer | | | | |
| Model # | | | | |
| Serial # | | | | |
| Date Code | | | | |
| Notes | | | | |



M27624A

B Boiler Pump, DHW, and AUX Device

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



EQUIPMENT SETTINGS

The Installer Menu is used to establish and modify the system's equipment and option settings. These include equipment settings for boiler operation, DHW management, zoning, auxiliary input/output operation, and option settings such as pump/valve exercise, and freeze protection.

Use Table 1 to record the equipment settings for this installation.

To record the equipment and option settings:

- A** Press the Home button to return to the Home Page display.
- B** Press and hold the OK button for 3 seconds until the message, INSTALLER MODE – ARE YOU SURE?, displays.
- C** Select YES, then press and release the OK button to display the Installer Menu.
- D** Select the Equipment Setup sub-menu.
- E** Record the configured settings in Table 1.
- F** Exit Installer mode by selecting the Installer Exit menu option.

Table 1. Installer Menu – Equipment Setup Sub-menu.

| EQUIPMENT SETUP SUB-MENU | | | | |
|--------------------------|--|-----------------|-------------------------|--|
| Sub-Menu and Option | Range | Factory Default | Equipment Settings Used | |
| BOILER SETTINGS | | | | |
| HIGH LIMIT | 120°F to 225°F (49°C to 107°C) | 190°F (88°C) | | |
| LOW LIMIT | 60°F to 180°F (15°C to 82°C) | 150°F | | |
| BOILER DIFF | 2°F to 41°F (1°C to 23°C) / AUTO | AUTO | | |
| W.W.S.D. | -- ^a 35°F to 100°F (2°C to 38°C) | 70 °F (21°C) | | |
| RESET | OUTDOOR / LOAD / NONE | OUTDOOR | | |
| OUTDOOR LOW | -60°F to 32°F (-51°C to 0°C) | 10 °F (-12°C) | | |
| BOILER DSGN | 80°F to 210°F (27°C to 99°C) | 180°F (82°C) | | |
| MIN. RETURN | OFF / 80°F to 180°F (27°C to 82°C) | 140 °F (60°C) | | |
| BOILER OPERATION | | | | |
| CYCLES/HOUR | 2 to 6 | 4 | | |
| FIRE DELAY | 0 seconds to 3 minutes (in 5 second increments) | 10 seconds | | |
| PURGE TIME | OFF / 10 seconds to 30 minutes (in 10 second increments) | 30 seconds | | |
| EXERCISE | YES / NO | YES | | |
| FREEZE PROT | YES / NO | YES | | |
| 10V MOD. SELECT | | | | |
| 10V MOD | 0-10V / 2-10V | 0-10V | | |
| USAGE | NONE / BOILER | NONE | | |
| DOMEST.HOT WATER | | | | |
| DHW | ENABLE / DISABLE | ENABLE | | |
| DHW PRIO | YES / NO | NO | | |
| PRIO.OVER. | YES / NO | YES | | |
| DHW DEVICE | PUMP / VALVE | PUMP | | |
| DHW VLV.OP | 0 - 230 seconds (in 5 second increments) | 15 (seconds) | | |
| DHW PURGE | YES / NO | YES | | |
| DHW SENSOR | YES / NO | NO | | |
| DHW SETPOINT | -- 60°F to 160°F (16°C to 71°C) | 140°F (60°C) | | |
| DHW DIFF | -- 5°F to 40°F (2.5°C to 22°C) | 20°F (-7°C) | | |
| DHW VACANCY | -- [41°F + DHW DIFF] to 160°F ([5°C + DHW DIFF] to 71°C) | 45°F (7°C) | | |
| ZONING | | | | |
| HT DMND PRIO | YES / NO | NO | | |
| PRIO.OVER | YES / NO | NO | | |

Table 1. Installer Menu – Equipment Setup Sub-menu. (Continued)

| EQUIPMENT SETUP SUB-MENU | | | |
|--|--|------------------------|--------------------------------|
| Sub-Menu and Option | Range | Factory Default | Equipment Settings Used |
| ZONING VALVES TIME TO OPEN | 5 - 230 seconds | 15 seconds | |
| AUXILIARY I/O | | | |
| AUX.IN (optional) | SETBACK / VACATION / EM. SHUT / NONE | SETBACK | |
| AUX.OUT (optional) | BOILER / SETBACK / ZONE OP. / ALARM / AUX.IN / DHW IN / HEAT IN / HT DMND / NONE | BOILER | |
| AUX.PUMP (optional) | BOILER / GROUP / OCC / BYPASS / NONE / AUX.IN / DHW IN / HEAT IN / HT DMND | BOILER | |
| A/C SETTINGS | | | |
| CYCLES/HOUR | 2 / 3 / 4 / 5 / 6 | 4 | |
| MIN.OFF TIME | 2 to 10 (minutes) | 5M | |
| C.W.S.D. | - - 32°F to 100°F (0°C to 38°C) | 65°F (18°C) | |
| A/C EQUIP CONFIG | | | |
| ZONE | A-1 to D-16 | A-1 | |
| A/C UNIT | NONE / 1 | 1 | |
| COOLING | ENABLE / DISABLE | ENABLE | |
| ENVIRACOM (not used at this time - reserved for future use) | | | |
| Modules ID: | n/a | n/a | |

^a Any entry of two dashes (- -) indicates that the option is disabled or not used.

Automation and Control Solutions

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