



## AQ2000 Expansion Panels




| Key Features  | AQ255 and AQ257 Expansion Zoning Panels |                          |                  |                  | AQ254 Add-A-Temp Expansion Panel                |
|---|---|--------------------------|------------------|------------------|---|
|   | AQ2554V2                                | AQ2574V4                 | AQ2554P2X        | AQ2558P2X        | AQ2541E0  |
|   | 4 Zones of 2-Wire Valves                | 4 Zones of 4-Wire Valves | 4 Zones of Pumps | 8 Zones of Pumps | Use with AQ255 or AQ257 Expansion Zoning Panels |
| Number of zones per panel   | 4                                       | 4                        | 4                | 8                |   |
| 38 VA transformer included  | Yes                                     | Yes                      | No               | No               |   |
| Convenient 2-wire "polarity insensitive" communicating thermostats                                | •                                       | •                        | •                | •                |   |
| Auto test function to check out all zones at system start-up                                      | •                                       | •                        | •                | •                |   |
| Status LEDs for easy diagnostics  | •                                       | •                        | •                | •                |   |
| Zone Synchronization  | •                                       | •                        | •                | •                | •   |
| Adds an additional reset water temperature to any main control panel                              |   |                          |                  |                  | •   |
| Mixed loop temperature is controlled by a variable speed injection pump or motorized mixing valve |   |                          |                  |                  | •   |
| Extends capacity of network by 16 zones for each expansion control panel installed                |   |                          |                  |                  | •   |



## AQ1000 Thermostats

| Key Features   | AQ1000TN2<br>(Non-programmable Thermostat) | AQ1000TPN2<br>(Programmable Thermostat) |
|--|--|---|
| Dedicated communicating thermostat (for use with AQ2000 controls only)   | •  | •                                       |
| Indoor and Outdoor temperature is shown on display (when used with programmable AQ2000 Control Panels)   | •  | •                                       |
| Convenient 2-wire "polarity insensitive" installation for quick and easy wiring of both retrofit and new construction jobs                                     | •  | •                                       |
| Zone settings for all thermostats can be programmed at main Control Panel to save time   | •  | •                                       |
| Can display temperature as Fahrenheit or Celsius   | •  | •                                       |
| Easy-to-read backlit display   | •  | •                                       |
| Can be used with AQ12C20 floor sensor for in-floor heating installations   | •  | •                                       |
| Non-volatile memory retains zone settings indefinitely, even after extended power loss   | •  | •                                       |
| Can program thermostats with min/max setpoints for air and/or floor temperatures, AND "lock out" of individual zone thermostats from the central control panel | •  | •                                       |
| Number of unique programs per day  | 2  | 4                                       |
| Programmable   |  | •                                       |
| Controls 1 zone of cooling   |  | •                                       |
| Date and time of day displayed on thermostat   |  | •                                       |
| Controls Heating and Cooling   |  | •                                       |

## Sensors

|  |  |   |  |   |  |
|--|--|---|--|---|--|
| <b>AQ12C11</b><br> | <b>Supply/Return Sensor</b> <ul style="list-style-type: none"> <li>• 10 feet of high temperature PVC jacketing which allows direct contact with hot boiler piping</li> <li>• Sufficient lead length to connect directly to AQ2000 control panel without the need for splicing</li> </ul> | <b>AQ12C10</b><br> | <b>Outdoor Sensor</b> <ul style="list-style-type: none"> <li>• 10 feet of weather-resistant jacketing that allows splicing of the sensor to be done inside the building</li> <li>• Can be connected up to 500 ft away from the AQ2000 panel without loss of signal or data integrity problems</li> <li>• Includes mounting bracket.</li> </ul> | <b>AQ12C20</b><br> | <b>Slab/Floor Sensor</b> <ul style="list-style-type: none"> <li>• Connects directly an AQ1000 thermostat</li> <li>• Comes with 15 feet of flexible lead wire</li> <li>• Can be connected up to 500 ft away from the AQ1000 thermostat without loss of signal or data integrity problems</li> </ul> |
|--|--|---|--|---|--|