



## Programmable Thermostat And Software Enhancements

# Add More Functionality To Your Hydronic Systems

## AQ1000TP2 Programmable Thermostat –

Designed for heating and cooling

**7-Day Programmable —**  
Up to 4 unique programs per day

**Controls 1 zone of cooling\* —**  
AQ network can control A/C for entire building as one zone; any programmable AQ1000TP2 thermostat can initiate a call for cooling

**Date and time of day —**  
Displayed on thermostat

**2-Wire Polarity Insensitive —**  
No need to worry about incorrect wiring

\*when used with a programmable AQ2000 Control Panel with Version 2 (V2) software



**Displays —** Both indoor and outdoor air and floor temperatures\*

**Application Flexibility —**  
Controls air and/or floor temperature

**Freeze Protection —**  
Zone-by-zone protection in the event of wiring failure or removal of thermostat from wall while painting a room

## Easy Upgrades



### Backwards compatible with AQ1000TN2 non-programmable thermostats —

New cover plate fits existing back-plate on the wall. Provides true programmability for a zone (4 unique programs/day)

## New Software

Cooling Enabled With

**V2 AQ2000  
Panels**

To get full functionality of the AQ1000TP2 programmable thermostat, use it in conjunction with the latest AQ2000 series panels, using the V2 software. Look for the label shown on the left of this page to be sure they're programmed with V2 software.

# AQ2000 Series Software Enhancements

Using contractor input, Honeywell has developed several valuable enhancements to the functionality of the AQ2000 Series Control Panels. These new features - including FULL support for modulating/condensing boilers - will allow contractors flexibility when using AQ2000 panels for more advanced system designs. Enhancements are applicable to all programmable AQ panels (those with LCD displays) including:

## AQ25A models

## AQ251 models

## AQ252 models

Note: New AQ2000 panel enhancements are only required for advanced installations that require this new list of features.



## New AQ2000 Enhancements

### Air Conditioning

- Ability to coordinate one A/C compressor with up to 64 zones of heating

### Boiler Compatibility

- Suitable for use with ALL boilers – including modulating/condensing boilers; includes the option to directly control these boilers with a modulating 0-10VDC signal

### Heat Demand Operation

- Heat Demand Priority and Priority Override (similar function to existing DHW Priority and Priority Override feature)
- Auxiliary Out (line voltage) closure on Heat call for controlling an auxiliary setpoint load

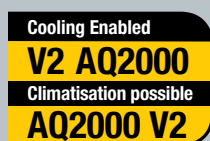
### Programming Enhancements

- Logging of relay activity allows property managers to review zone by zone heat usage
- Ability to edit all zones at once from central AQ2000 control panel
- Daylight Savings Time

### Domestic Hot Water (DHW) Features

- Separate internal setpoint for DHW allows the AQ control's BOILER MAX setting to operate independently of the setpoint for producing DHW
- DHW vacation setpoint enables automatic setback of DHW tank along with space heating zones during extended periods of building vacancy
- Option to use Return sensor as DHW sensor; allows control of the DHW setpoint from the AQ2000 panel in place of the DHW tank's aquastat
- Optional Auxiliary Out (low voltage) closure on DHW call for modulating/condensing boiler support
- Optional Auxiliary Out (line voltage) closure on DHW call when using a 24VAC zone valve to serve the DHW tank, without the need for a separate step down transformer.

## New Software



All new AQ2000 panels with enhancements listed above will include this Version 2 (V2) call-out on the packaging. Panels with "V2" software can satisfy one zone of A/C when used with AQ1000TPN2 programmable thermostats

**Learn More**

For complete details on increasing profits with Honeywell Hydronic Heating Solutions, contact your Honeywell distributor or visit [customer.honeywell.com](http://customer.honeywell.com).

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