TrueZONE® for Hydronic Control
Wiring Diagrams
Honeywell’s TrueZONE® panels can control zone valves and circulator relays in hydronic heating applications. This document provides helpful wiring diagrams to assist you in a variety of installation scenarios.

### Hot Water Zone Valve or Circulator Relay Panel Control

TrueZONE HZ322 with Hot Water Zone Valve or Circulator Relay Panel .................................................................4

### Hot Water Zone Valves with A/C Dampers

TrueZONE HZ311 with Hot Water Zone Valves and A/C Dampers .........................................................................4

TrueZONE HZ432 with Hot Water Zone Valves and A/C Dampers .........................................................................4

### Hot Water Zone Valve or Circulator Relay Panel with A/C Dampers

TrueZONE HZ311 with Hot Water Zone Valve or Circulator Relay Panel and A/C Dampers .................................5

TrueZONE HZ322 with Hot Water Zone Valve or Circulator Relay Panel and A/C Dampers .................................5

TrueZONE HZ432 with Hot Water Zone Valve or Circulator Relay Panel and A/C Dampers .................................5

### Hydro-air Applications

TrueZONE HZ311 with Hydro-air Application ...........................................................................................................6

TrueZONE HZ322 with Hydro-air Application ...........................................................................................................6
When used with our RedLINK-enabled TrueZONE® panels, our Wireless Adapter and Wireless FocusPRO® Thermostat you can easily – and wirelessly – add hydronic zoning to a home or add more zones to an existing system. In addition, wireless hydronic zoning introduces the opportunity to increase profit with add-on accessories such as the Portable Comfort Control and Wireless Outdoor Sensor – for the ultimate in convenience and control.

**Wireless Zone Valve Control**

Wireless TrueZONE HZ322 with Hot Water Zone Valve control .................................................................6

Wireless TrueZONE HZ432 with Hot Water Zone Valve control .................................................................6

**Wireless Circulator Control**

Wireless TrueZONE HZ322 with Hot Water Circulator control .................................................................7

Wireless TrueZONE HZ432 with Hot Water Circulator control .................................................................7

**Wireless Relay Panel Control**

Wireless TrueZONE HZ432 with Hot Water Relay Panels .................................................................7

**Optional Wireless Accessories**

- Portable Comfort Control
- Wireless Outdoor Sensor
Hot Water Zone Valve or Circulator Relay Panel Control

TrueZONE HZ322 with Hot Water Zone Valve or Circulator Relay Panel

Wire zones 1-2 the same as zone 3.

The thermostats used must have separate Rh and Rc (or R and Rc) terminals with jumper removed.

There are different ways to wire zone valves to the aquastat. For complete wiring instructions on any of the zone valve and aquastat refer to the product data sheets for those controls.

**HZ322 zone panel controlling a zone valve or circulator relay panel.**

Remove the Rh/Rc jumper on the equipment terminals of the HZ322

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Hot Water Zone Valves with A/C Dampers

TrueZONE HZ311 with Hot Water Zone Valves and A/C Dampers

HZ311 zone panel controlling air-conditioning zoned with dampers and heating zoned with hot water zone valves.

The thermostats used must have separate Rh and Rc (or R and Rc) terminals with jumper removed.

There are different ways to wire zone valves to the aquastat. For complete wiring instructions on any of the zone valve and aquastat refer to the product data sheets for those controls.

**HZ322 zone panel controlling air-conditioning zoned with dampers and heating zoned with hot water zone valves.**

TrueZONE HZ432 with Hot Water Zone Valves and A/C Dampers

HZ432 zone panel controlling air-conditioning zoned with dampers and heating zoned with hot water zone valves.

The thermostats used must have separate Rh and Rc (or R and Rc) terminals with jumper removed.

Wire zones 2-4 the same as zone 1.

There are different ways to wire zone valves to the aquastat. For complete wiring instructions on any of the zone valve and aquastat refer to the product data sheets for those controls.
TrueZONE HZ311 with Hot Water Zone Valve or Circulator Relay Panel and A/C Dampers

HZ311 zone panel controlling a hydro-air application

* Remove the Rh/Rc jumper on the equipment terminals of the HZ311

Wire zones 2 and 3 the same as zone 1.

Thermostats need to be configured to energize fan in heat.

HZ322 zone panel controlling air-conditioning zoned with dampers and heating zoned with a zone valve or circulator relay panel.

TrueZONE HZ322 with Hot Water Zone Valve or Circulator Relay Panel and A/C Dampers

The thermostats used must have separate Rh and Rc (or R and Rc) terminals with jumper removed.

Wire zones 2 and 3 the same as zone 1.

HZ432 zone panel controlling air-conditioning zoned with dampers and heating zoned with a zone valve or circulator relay panel.

TrueZONE HZ432 with Hot Water Zone Valve or Circulator Relay Panel and A/C Dampers

The thermostats used must have separate Rh and Rc (or R and Rc) terminals with jumper removed.

Wire zones 2 and 3 the same as zone 1.
Hydro-air Applications

TrueZONE HZ311 with Hydro-air Application

TrueZONE HZ322 with Hydro-air Application

Wireless Zone Valve Control

Wireless TrueZONE HZ322 with Hot Water Zone Valve control

Wireless TrueZONE HZ432 with Hot Water Zone Valve control

Wireless accessories:
- 4-zones, 3 heat/2 cool.
- 8 zones, 4 heat/4 cool.

Parts needed:
- 8 zones, 4 heat/4 cool.
- 4 zones, 3 heat/2 cool.

Option 1:
1. Wireless Truezone panels
   - REM5000R1001 - C7089R1013

Option 2:
- 8 zones, 4 heat/4 cool
   - Wireless HZ322 zone panel controlling zone valves.

If the Honeywell valve has yellow and red wires instead of terminal connections, the red wires are the end switch, the yellow wires are the TH and TR.

Remove the Rh/Rc jumper at the panel.

If the Honeywell valve has yellow and red wires instead of terminal connections, the red wires are the end switch, the yellow wires are the TH and TR.

Wire the end switch from each valve in parallel to the R and W or T and T at the aquastat or boiler.

If cooling is zoned, the dampers (not shown), are wired as normal to the TrueZONE panel.

See parts needed section on page 7.
Wireless Circulator Control

Wireless TrueZONE HZ322 with Hot Water Circulator control

Wireless TrueZONE HZ432 with Hot Water Circulator control

Wireless Relay Panel Control

Wireless TrueZONE HZ432 with Hot Water Relay Panels

Parts needed for wireless installation:

- **Wireless Zoning Adaptor Kit:**
  - You would need 1 of these per zone panel
  - Programmable Wireless Zoning Adaptor Kit (YTH6320R1023)
  - Non-Programmable Wireless Zoning Adaptor Kit (YTH5320R1025)

- **Wireless Adaptor (THM4000R):**
  - Connects to your choice of wireless thermostats
  - Programmable Wireless FocusPRO (TH6320R1004)
  - Non-Programmable Wireless FocusPRO (TH6320R1002)

Optional Wireless Accessories:

- Portable Comfort Control (REM6500R1007)
- Wireless Outdoor Sensor (C7089R1013)

Remove the Rh/Rc jumper at the panel.
It is up to the installing contractor to determine what voltage is required to power the transformer primary and circulators.

If cooling is zoned, the dampers (not shown), are wired as normal to the TrueZONE panel.

Each circulator circuit would be wired to the corresponding zone’s relay. This circuit is shown on zone 3 of this diagram.

See parts needed section on page 7.

If cooling is zoned, the dampers (not shown), are wired as normal to the TrueZONE panel.

It is up to the installing contractor to determine what voltage is required to power the transformer primary and circulators.

If cooling is zoned, the dampers (not shown), are wired as normal to the TrueZONE panel.

Each circulator circuit would be wired to the corresponding zone’s relay. This circuit is shown on zone 4 of this diagram.

See parts needed section on page 7.

Verify the TrueZONE box has a RedLINK sticker on it.

- Programmable Wireless FocusPRO (TH6320R1004)
- Non-Programmable Wireless FocusPRO (TH6320R1002)
Illustrated in this paper are the most common wiring diagrams for hydronic application of the TrueZONE® control panel. It is the contractor’s choice on what options make most sense for their business and customer. With the introduction of wireless hydronic zoning, this document will help create new installation solutions, as well as opportunity to earn more profit with add-on wireless accessories.

For questions, please contact the Honeywell Zoning Hotline toll-free at 1-800-828-8367