For Residential, Light Commercial, and Snow Melt Applications

Job Name _____ Contractor _____

Job Location _____ Approval _____

Engineer _____ Contractor's P.O. No. _____

Approval _____ Representative _____

HydroNex® DVIP Hybrid Panel

Sizes: 1-1/4" Primary Loop; 3/4" Zone; 1" Common Returns

DVIP Hybrid panels use injection reset mixing to modulate the supply fluid temperature to the radiant zones. The injection bridge is 3/4" in size for all DVIP Hybrid panels. All zones are 3/4" supply with a common 1" return.

A Tekmar 361 is provided to control the injection circulator.

The first zone on the panel may be dedicated for an indirect water heater and is wired accordingly with Domestic Hot Water priority. If this zone supplies an indirect DHW unit, the priority condition will need to be changed in the relay box.

The DVIP Hybrid panel also allows users to field-select the number of high temperature and mix zones. High temperature zones will be supplied with direct boiler water, while the mixed zones will be fed tempered water from the injection bridge. To select the zones, open or close the appropriate ball valves.

When selecting a DVIP Hybrid panel, the following guidelines should be followed:

– Make sure all zones feeding from the injection circulator fall within a 20 degree required temperature range. (i.e. 110, 114, 125 supply temperature requirements can be grouped from a single injection circulator).
– The combined zone gpm can not exceed 20 gpm.

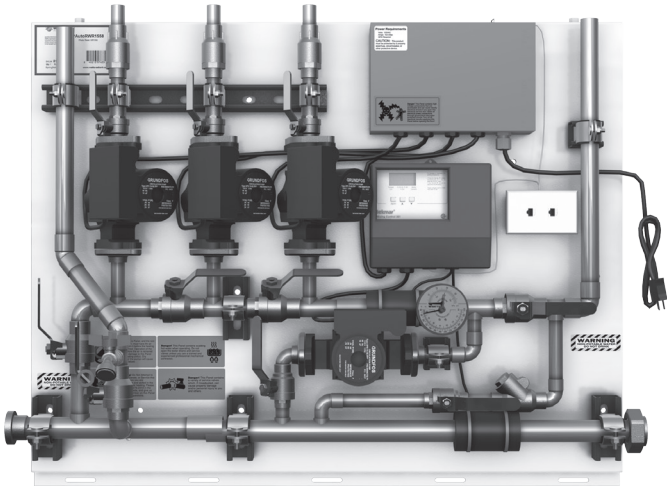
Installation Parameters

Make sure an electrical outlet is within 3 feet of where the DVIP Hybrid panel will mount. If there are no outlets nearby, one will need to be added.

Install and level Z-Bracket with 1/4" x 2-1/2" lag screw to studs. Make sure the Z-Bracket is the correct size for the given DVIP Hybrid panel. Incorrect Z-Brackets may interfere with cover placement.

Hang the DVIP Hybrid panel on the Z-Bracket. Lag screws should be added to the bottom of the panel, further securing the panel to the wall. Hang cover from top down.

In order to avoid property damage, injury, and/or death, please refer to the complete installation manual and warnings provided with the product.

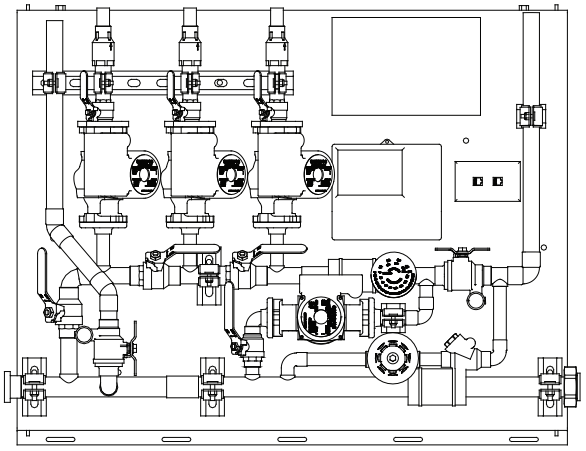


Features
Wall mounted white powder coated back panel and cover
Easy access to all components
Pre-wired circulators and controls
Simple CAT-5 jump wiring to connect panels
O-Ring sealed, threaded union connection between panels
Integrated leveling system
Z-Bracket for simplified mounting
Field selectable high and mix temperature zones

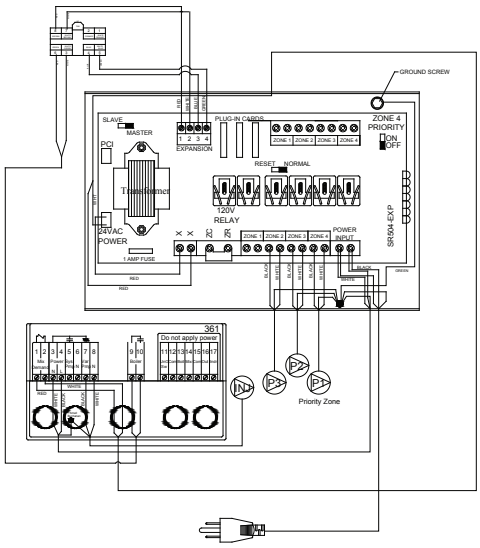
Specifications	
Supply Voltage	120 Volts
Circulator Type	Watts Radiant 15-58 Taco 007 Bell and Gossett NRF-22
Electrical	Relay and CAT-5 Connection
Injection/Reset Control	Tekmar 361
Temperature, Pressure Ratings	210ºF @ 100 psi.

Note: Maximum total total high temperature flow rate is approximately 8 gpm.

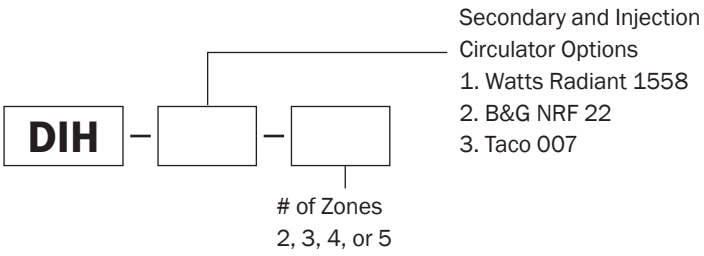
WattsRadiant™
Floor Heating & Snow Melting



HydroNex DVIP Hybrid 3 zone panel. DVIP Hybrid series are available from 2 to 5 zones.



HydroNex DVIP Hybrid 3 zone panel Schematic.



Description	Model #	Wt. (lbs)	Size
2 Zone DVIP Hybrid	DIH-____-2	115-120	M
3 Zone DVIP Hybrid	DIH-____-3	140-145	
4 Zone DVIP Hybrid	DIH-____-4	170-175	L
5 Zone DVIP Hybrid	DIH-____-5	200-205	

S = 28" wide x 31.5" tall x 12" deep
M = 40" wide x 31.5" tall x 12" deep
L = 52" wide x 31.5" tall x 12" deep