

Job or Customer :	
Location :	
Engineer :	
<input type="checkbox"/> Complies with Spec <input type="checkbox"/> Alternate	Notes :
Contractor :	
HeatLink Rep :	
Submitted By :	Date :
Approved By :	Date :
P.O. Number :	Date :

### Description

The TMP 3-Way Mixing Panel's primary application is as a single temperature mixing device where there are no flow requirements in the primary loop. Intended to be used with DHW tanks as a heat source, the pump is activated once every 24 hours, for 15 minutes, to ensure that potable water in the piping is not stagnant. At this time, a DHW priority option for these panels is not available.

When the panel receives a call for heat, the pump is activated, and the thermostatic control head in the 3-way mixing valve will automatically regulate the water temperature in the secondary circuit. When not used with a DHW tank as a heat source, secondary zoning downstream of the panel is possible. The TMP085DP not only allows for higher output, but it is also a 2-zone panel. So even with a DHW heat source, you can now have two radiant floor zones.

### Technical Data

Max Ambient Temperature:..... 120°F (49°C)  
 Max Water Temperature:..... 200°F (93°C)  
 Temperature Control Method:..... 3-way Thermostatic  
 Temperature Control Range:..... 110-140 °F (43-60°C)  
 Min Required Flow for Correct Temp Control:..... 1 US gpm  
 Power Supply:..... 110 V(ac)/24V(ac)  
 Circulator:..... Non-ferrous, Grundfos UPS15-58RU  
 Auxiliary Terminal:..... Yes  
 Piping:..... 3/4" 304SS Tubing  
 Material - Backplate:..... Galvanized Steel  
 Material - Enclosure:..... Powder Coated Steel

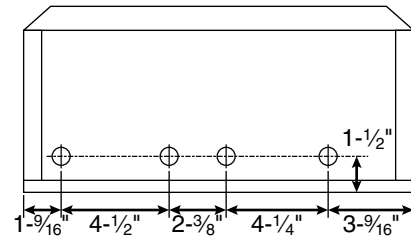
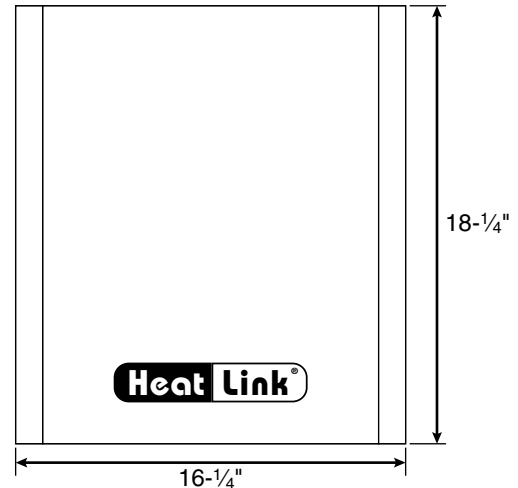
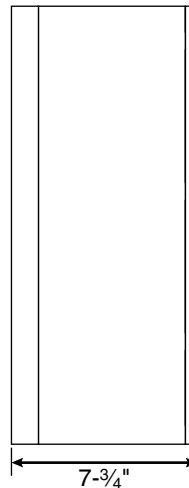
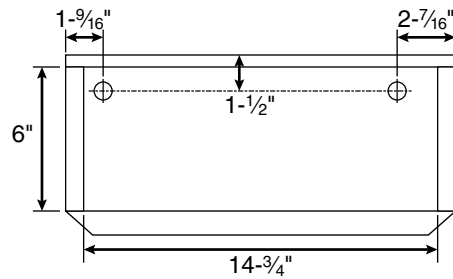
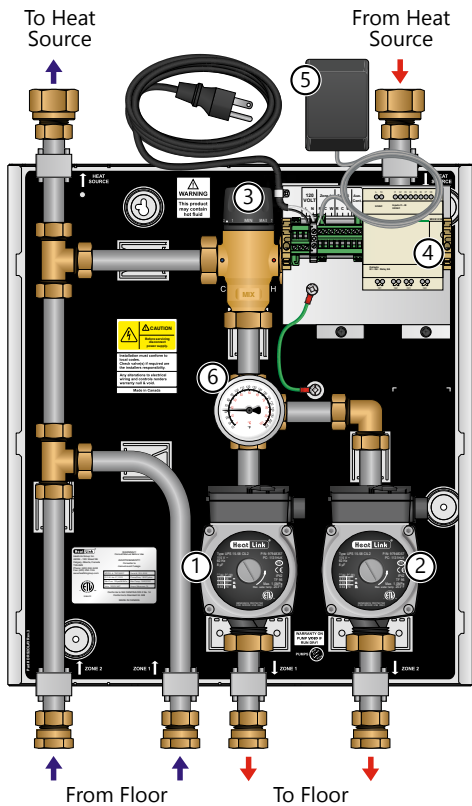
### Standards / Listings

CAN/CSA-C22 No.14, UL508  
 cETLus

Qty	Stk. #	Nominal Panel Output	Nominal Flow	Nominal Pressure Drop Outside of Panel	Valve Size	Valve Cv	Piping Connections	Weight
	TMP085DP	85,000 Btu/hr	2x 4.25 US gpm @ 20 °F ΔT	4 ft	1"	3.9	1" FIP primary 3/4" FIP secondary	26 lb (11.8 kg)

### Panel Components

- ① Zone 1 Pump with Check Valve (UPS 15-58RU Composite)
- ② Zone 2 Pump with Check Valve (UPS 15-58RU Composite)
- ③ 3-Way Thermostatic Mixing Valve
- ④ PLC with 6' Power Cord
  - 24hr Timer for Potable Applications
  - Bypass Function
  - Auxiliary Dry Contacts for Heat Source
- ⑤ 24V(ac) 40Va plug-in transformer
- ⑥ Thermometer



### Installation

Installation must follow all of HeatLink's instructions and guidelines.

### Maintenance

Maintenance must follow all of HeatLink's instructions and guidelines.

### Related Documents

- TMP085DP Installation, Operation, and Maintenance Manual Instructions (L6TMP000DP)
- Component Warranty

