



www.heatlink.com

TMP070Z - Three-way Mixing Panel  
 Submittal - Page 1 of 2

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 three way mixing panel's primary application is as a *multizone* 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, and actuators (sold separately) are opened 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.

On 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 used with DHW tank as a heat source, secondary zoning downstream of the panel is possible (subject to local codes).

**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); max. current 2A  
 Circulator: ..... Non-ferrous, Grundfos UPS15-58  
 Auxiliary Terminal: ..... Yes  
 Piping:..... ¾" 304SS Tubing  
 Material - Backplate:..... Galvanized Steel  
 Material - Enclosure:..... Powder Coated Steel

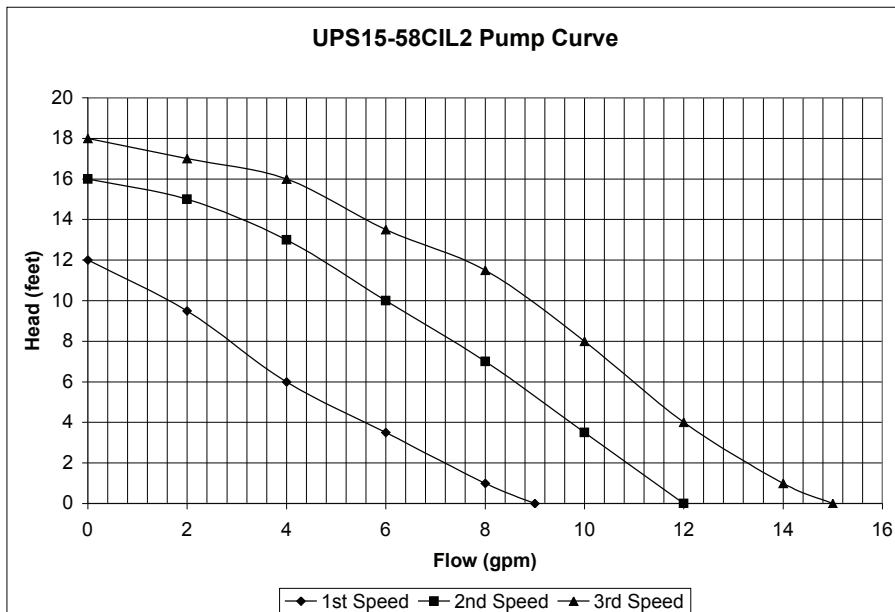
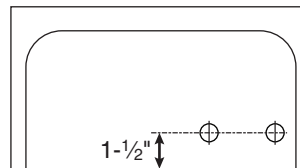
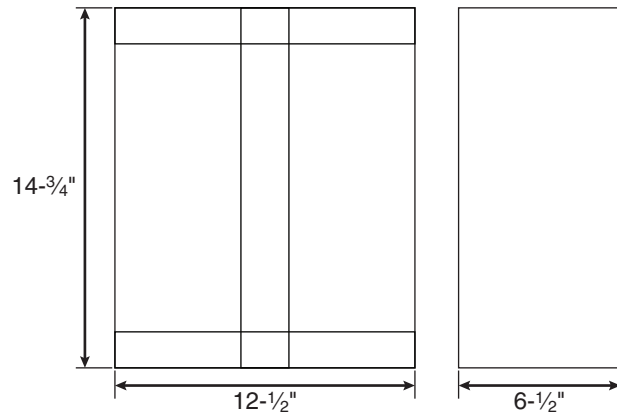
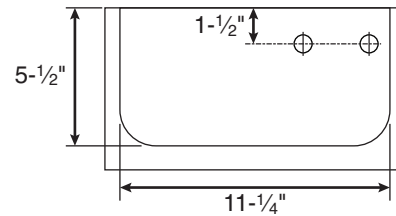
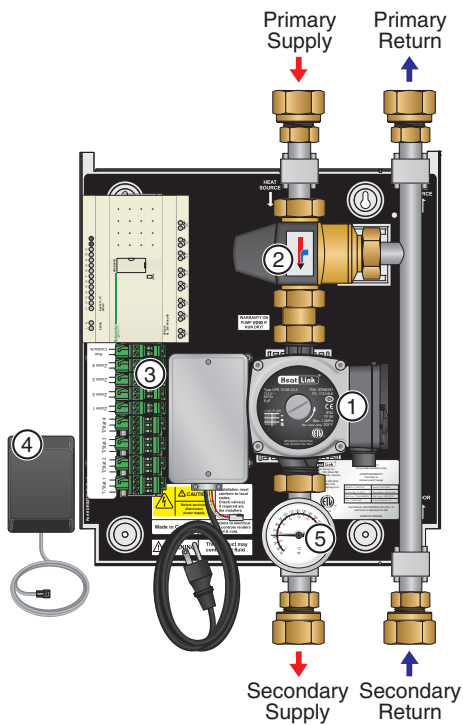
**Standards / Listings**

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
	TMP070Z	70,000 Btu/hr	7.0 US gpm @ 20 °F ΔT	4 ft	1"	3.7	1" FNPT	17 lb (7.7 kg)

### Panel Components

- ① UPS 15-58 Composite Pump
- ② 3-way Thermostatic Mixing Valve
- ③ PLC Control with 6' Power Cord
  - 24hr Timer for Potable Applications
  - Auxiliary Dry Contacts for Heat Source
  - Thermostat Inputs and Actuator Outputs for 4 zones.
- ④ 24Vac 40VA Plug-in Transformer
- ⑤ 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

- TMP070Z Installation, Operation, and Maintenance Manual Instructions (L6TMP000Z)
- HeatLink Limited Heating Warranty