

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

**Description**

The SMP400D Snow Melt Panel is a central operations center for a fully automatic snow melt system. The SMP400D does not have an isolation heat exchanger and is intended for snow melt systems with a dedicated heat source (e.g. a boiler or other non-DHW appliance). Housing the snow melt pump, mixing valve, and controls, it supplies the snow melt pad with the glycol mixture from the heat source. Standard snow melt control uses Snow/Ice Detector #DRVWSNS-SS (sold separately). Snow melt control can be changed to HeatLink® #31680 Snow/Ice Detector and Melt Control (OPT-SMP-680) which uses Snow/Ice Detector #30090 and Snow/Ice Sensor Socket #30091 (both sold separately).

**Technical Data**

Material - Backplate and Sides:..... galvanized steel  
 Material - Cover:..... powder coated steel  
 Material - Piping:..... type L & M copper  
 Temperature Control Method:..... 1-1/4" 3-Way diverting valve and motorized actuator, controlled by snow melt control  
 Mixing Valve Cv: ..... 18.6  
 Temperature Control Range: ..... 50-180 °F (10-82°C)  
 Piping Connections:..... 1-1/2" FNPT  
 Expansion Tank Fitting: ..... 1/2" FNPT  
 Cold Water Fill: ..... 3/4" hose bib  
 Max Ambient Temperature:..... 120°F (49°C)  
 Max Water Temperature: ..... 200°F (93°C)  
 Max Operating Pressure on secondary side: .... 100 psi (689 kPa)  
 Power Supply: ..... Requires dedicated receptacle, 15 Amp, 120V, 60Hz, single phase.

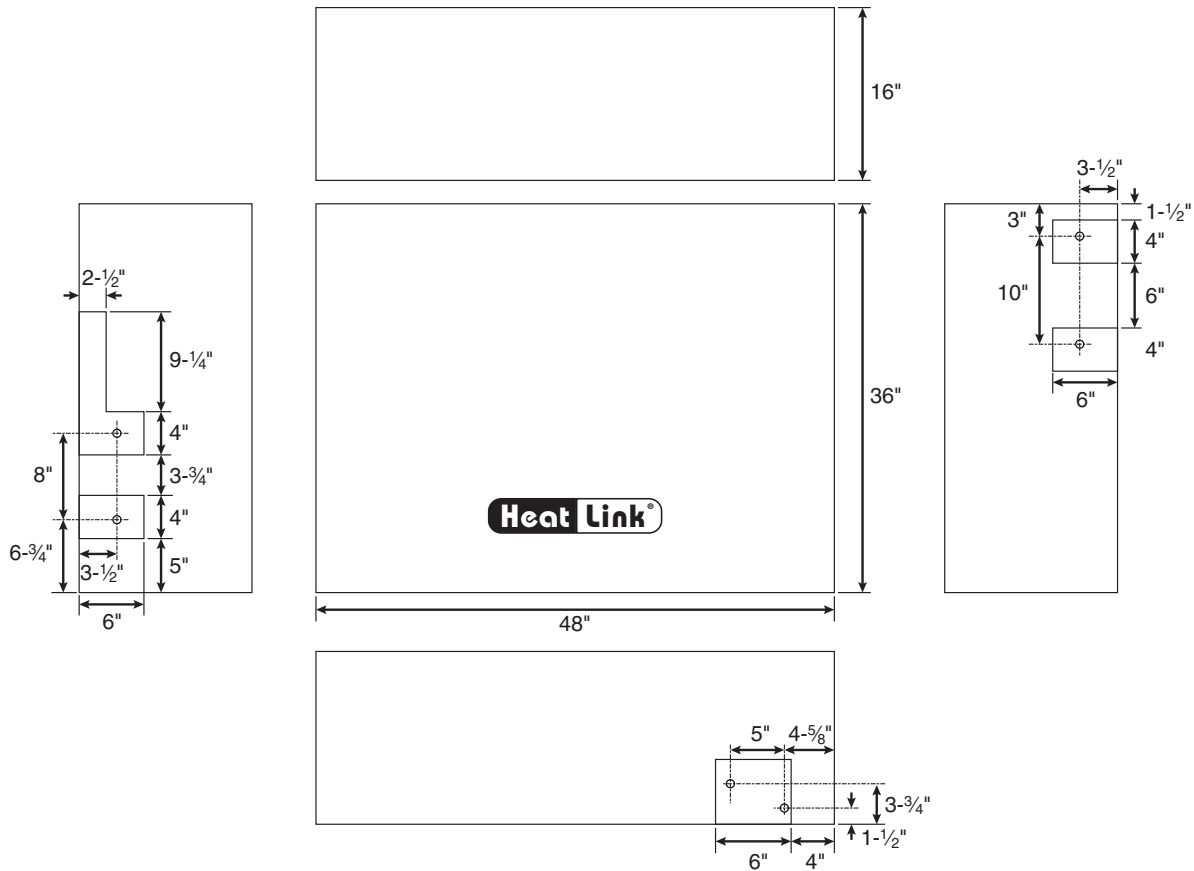
**Standards / Listings**

CAN/CSA-C22 No.14, UL508  
 cETLus

| Qty | Stk. #  | Nominal Panel Output | Nominal Flow        | Nominal Pressure Drop Outside of Panel | Pump              |
|-----|---------|----------------------|---------------------|--|-------------------|
|     | SMP400D | 400,000 btu/hr       | 32 US gpm @ 25°F ΔT | 25 ft                                  | Ferrous, UP43-110 |

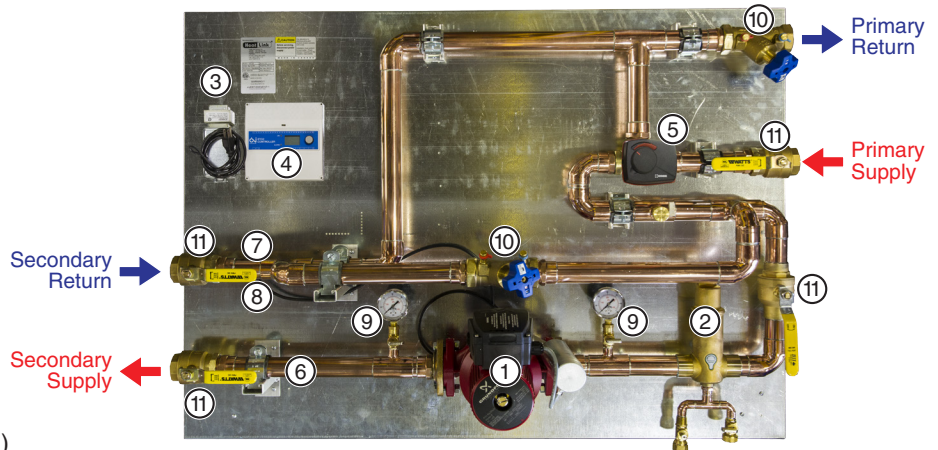
**Options**

**OPT-SMP-680** - replace standard snow melt control with HeatLink® #31680 Snow/Ice Detector and Melt Control (see SUB31680)



### Panel Components

- ① Secondary Pump
  - ② Air Eliminator
  - ③ 24Vac Transformer
  - ④ Snow Melt Control
  - ⑤ 3-Way Diverting Valve with Motor
  - ⑥ Supply Sensor (not shown)
  - ⑦ Return Sensor (not shown)
  - ⑧ Thermometer (not shown)
  - ⑨ Pressure Gauge
  - ⑩ Balancing Valve
  - ⑪ Isolation Valve
- Panel Enclosure and Cover (not shown)



### Installation

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

### Maintenance

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

### Related Documents

- Snow Melt Panel Instructions (L6SMP000)
- HeatLink Limited Heating Warranty