

SMV - Motorized Valve Control



Overview

The SMV is the perfect solution for Hydronic Heating Systems with a mix of high and low temperature zones. The SMV modulates a motorized valve to precisely maintain the required set point of the lower temperature zones in the system.

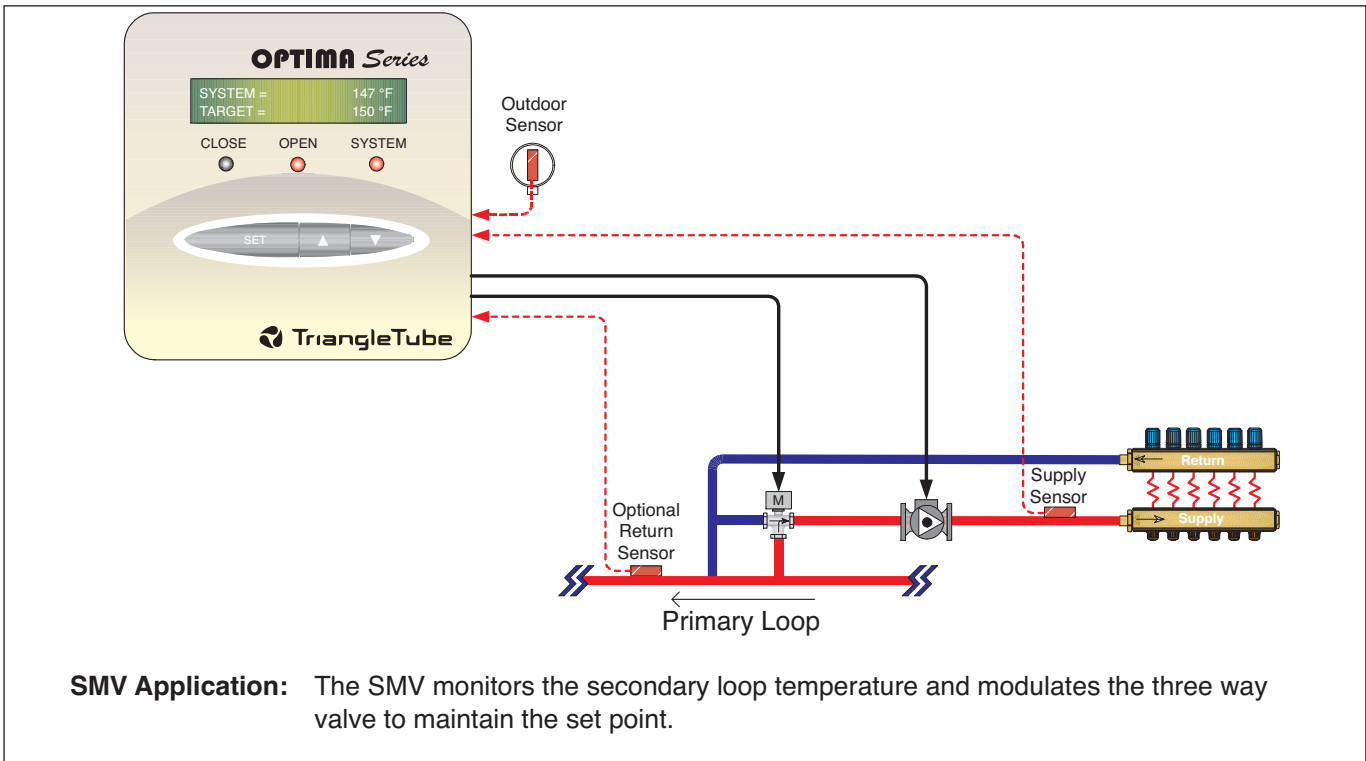
Features

- **Motorized Valve Control**
The SMV modulates a standard three way valve with a floating actuator to maintain the desired set point.
 - **Fixed Set Point or Outdoor Reset**
The SMV can maintain either a fixed set point or operate using the outdoor reset function. The outdoor reset function utilizes fixed reset curves as well as providing the option for custom user defined heating curves.
 - **Pump Operation**
The SMV can control the pump supplying the lower temperature zones and can also provide an optional Run-On time to disburse heat into the zones at the completion of a call.
 - **Outdoor Cutoff**
The optional Outdoor Cutoff function can disable the system when the outdoor temperature rises and heat is no longer required.
 - **External Enable**
The SMV can be remotely enabled from an external device or controller.
 - **Night Setback**
The SMV includes an external setback input which can lower the set point when less heat is required such as on nights or weekends. A Boost option can be used to quickly bring the room temperature back to normal after the Night Setback period.
 - **Sensor Fault Operation**
The SMV provides the option of opening or closing the motorized valve if a sensor fault should occur.
 - **Digital Display**
Large 2 x 16 character display provides status information as well as easy parameter adjustments in plain English.
 - **English or Metric Units**
The SMV can be configured to operate using either English or Metric units.
 - **Mounting Options**
The SMV can be mounted on a standard 4" x 4" electrical box or can be panel mounted using the included plastic wiring enclosure.
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Part #	Item Description
PSCON10	SMV Motorized Valve Control (Includes System and Outdoor Temperature Sensors)
PSSENS08	Return Temperature Sensor (Optional)

SMV Specifications

Voltage Input:	.120VAC 60 Hz (2 Black wires) / 24 VAC 60 Hz (24VAC Terminals) (Only One Power Source)
Power Consumption:	.3 VA Max
Operating Temperature:	.20°F (-7°C) to 120°F (49°C)
Operating Humidity:	.20% to 80%
Dimensions:	.4"W x 4"H x 2 1/2"
Weight:	.1 pound
Display	.Back Lite Alphanumeric (2 rows x 16 char. each))
Outputs:	.3 S.P.S.T (Yellow = System Pump), (White = Open MOV), (Blue = Close MOV (Red = MOV Common)
Output Relay Ratings:	.1 Amp inductive (Maximum of 1/8 HP), 6 Amp resistive at 120 VAV 60 Hz
Control Modes:	.Outdoor Reset, Set Point
Reset Ratios:	.12 ranging from 8:1 to 1:4 (Outdoor: System), and Custom
Set Point:	-.10°F (-23°C) to 230°F (110°C)
Pump Run-On:	.0 to 60 minutes
Minimum Boiler Return	.120°F (49°C) Requires a Return Sensor)(Optional)
Valve Modes:	.Auto, Close, Open
Setback:	.0°F (0°C) to 80°F (44°C)
Boost:	.Yes, No
Sensor Fault Operating Options:	.Output On or Output Off
LEDs:	.3 representing the Output Relays
Buttons:	.3 (Set, Up, Down)



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