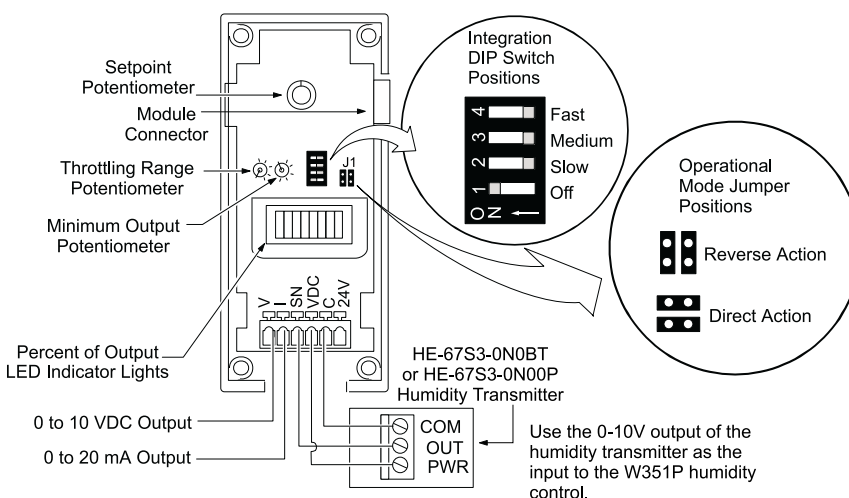


W351P Series

Electronic Proportional Plus Integral Humidity Control



W351P



Description

The W351P Electronic Humidity Control series has proportional outputs of 0 to 10 VDC and 0 to 20 mA. Proportional plus integral (PI) control is an option to hold setpoint regardless of load shifts on a system. The control covers a range of 10 to 90% RH and has adjustments for setpoint, integration constant, throttling range, minimum output, and mode (humidification or dehumidification). This control is used in conjunction with the HE-67S3-0N0BT or HE-67S3-0N00P series of humidity transmitters. The S351 Stage Module, Y350R Power Module, and D351 Display Module can be used with the W351P.

Features

- field selectable proportional only or proportional plus integral control
- surface or DIN rail mounting
- ten segment LED displays percent of output signal
- field selectable humidification or dehumidification mode
- minimum output adjustment
- 5-pin connectors eliminate wiring between modules

Applications

- modulating steam valves for humidification

To Order

Specify code number in the selection chart below, along with the corresponding humidity transmitter. If required, staging, power, and display modules can be ordered optionally.

Selection Chart

Code Number	Output	Humidity Range	Throttling Range	Humidity Transmitter
W351PP-1C	Proportional Voltage: 0 to 10 VDC	10 to 90% RH	2 to 20% RH	none
W351PN-1C	and Proportional Current: 0 to 20 mA			HE-67S3-0N0BT (included)
W351PN-2C				HE-67S3-0N00P (included)

Specifications

W351P Electronic Proportional Plus Integral Static Pressure Control	
Supply Voltage ^(a)	Transformer 20 to 30 VAC, 50/60 Hz, Class 2 Y350R 120/240 VAC, 50/60 Hz
Sensor Input Range	0 to 10 VDC, corresponding to 0 to 100% RH
Proportional Output	0 to 10 VDC (550 ohm load minimum) and 0 to 20 mA (600 ohm load maximum).
Minimum Output	Adjustable to 0 to 60% of full output span
Output Indication	A ten segment LED bar graph indicates percentage of output
Control Action	Direct or reverse action is jumper selectable
Power Consumption	3.2 VA maximum
Integration Constant	Three selectable rates Fast, Medium, Slow, and Off position
Ambient Temperature	Operating -30 to 150°F (-34 to 66°C) Shipping -40 to 185°F (-40 to 85°C)
Ambient Humidity	0 to 95% RH non-condensing
Case and Cover Material	NEMA 1 high-impact thermoplastic

(a) Only one input voltage source may be used.

W351P Dimensions, in. (mm)

