

S350C

Temperature Slave Stage Module

Description

The S350C is used in conjunction with the A350 Temperature Control to add multiple stage capability with independently adjustable setpoints. The S350C is an electronic control with a single-pole, double-throw (SPDT) relay output.

As with all System 350 products, the S350C is housed in a NEMA 1, high-impact plastic enclosure. The modular design provides easy, plug-together connections for quick installation and future expandability.

Features

- modular design enables stage, display, and transformer modules to be purchased and installed as necessary
- plug-together connectors and 35 mm DIN rail mountability eliminate wiring between modules and reduce installation costs
- adjustable Fahrenheit and Celsius setpoints independent of A350 temperature control stages equipment with different setpoint requirements using one dual scale setpoint
- shared sensor input with A350 temperature control eliminates the need for a separate sensor

- wide, adjustable differential enables the user to match equipment cycle rate and/or sequencing for a given application
- field-selectable mode of operation works in cooling or heating applications
- light-emitting diode (LED) indication of relay status aids in adjustment and troubleshooting

Applications

The S350C Slave Stage Module receives its power and sensor inputs from the A350 Temperature Control to which it is connected. The S350C features an adjustable setpoint, which is independent of the A350's setpoint. The output of the S350C is a single-pole, double-throw relay.

The maximum number of stages that can be used in a system varies with the type of control module (on-off, proportional, or reset), type of stage module (on-off, slave, or proportional), and type of power supply (external transformer or Y350R). Use the Maximum S350 Stage Modules chart to determine the maximum number of stages that may be used with each control module.



S350C

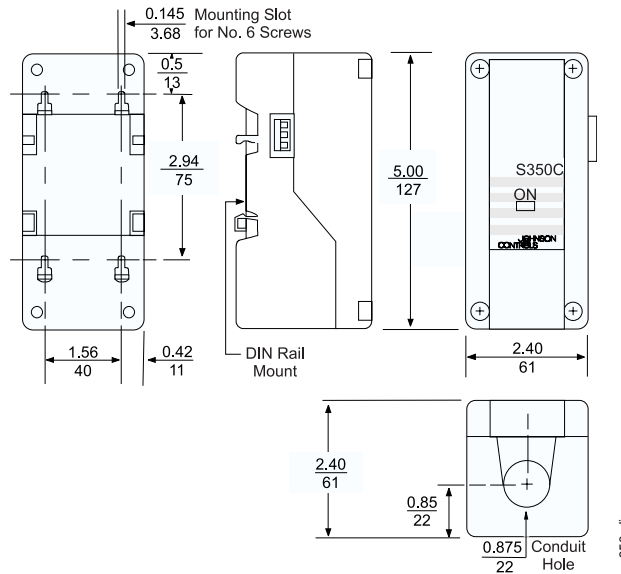
Selection Chart

Code Number	Description
S350CC-1C	S350C Temperature Slave Stage Module

Note: Do not make field repairs or perform calibration. The A99B Temperature Sensor and replacement controls are also available.

Technical Specifications

S350C Temperature Slave Stage Module	
Input Voltage	5 VDC reference provided by the A350; 24V power supply
Ambient Temperatures	Operating: -30 to 150°F (-34 to 66°C) Shipping: -40 to 185°F (-40 to 85°C)
Humidity	0 to 95% RH non-condensing; Maximum dew point: 85°F (29°C)
Setpoint Adjustment Range	-30 to 130°F (-34 to 55°C)
Differential Adjustment Range	1 to 30F° (0.5 to 17C°)
Relay	SPDT enclosed relay; contacts rated at 10 amp; non-inductive (resistive) 1/2 hp 120/240 VAC; 125 VA pilot duty, 24/240 VAC
Output Indication	LED
Mode of Operation	Cooling or heating mode is jumper selectable.
Case and Cover Material	NEMA 1 high-impact thermoplastic
Agency Listing	UL Guide No. XAPX and cUL Guide No. XAPX7, File E27734



S350C Dimensions, in. (mm)

Maximum S350 Stage Modules per Control Module

Control	Maximum S350A or S350C Stage Modules	Maximum S350A or S350C (with 1 S350P)	Maximum S350A or S350C (with 2 S350P)
A350A, A350B, A350E, A350R, A350S (using Y350R)	9	6	4
A350P (using Y350R)	4	2	N/A
Any A350 (using external 40 VA transformer)	9	8	7