

**Models**

**SCC80**

**Description**

The SCC80 is a duct-mounted, pre-calibrated changeover control sensor that's easy to install and highly accurate.

**Applications**

- Duct temperature changeover controller with fixed set point

**Features**

- 24Vac or 24 Vdc supply
- Sensor operation temperature up to 176°F [80°C]
- Fast response, excellent accuracy
- SPDT output relay
- No adjustments required (pre-calibrated)
- Built-in mounting tabs and mounting screws supplied for easy installation
- Status LED



**SCC80**

**Technical Specifications**

Specifications	SCC80
Input Voltage	24 Vac or 24 Vdc
Consumption	1.5VA @ 24 Vac
Sensor	Thermistor (max temperature 176°F [80°C])
Accuracy	Accuracy: +/- 1% @ 77°F [25°C]
Setpoint	Cooling: 73.4°F [23°C] Heating: 78.8°F [26°C]
Hysteresis	5.4°F [3°C]
Relay output	One SPDT relay: 1A @ 24 Vdc, 1A @ 24 Vac, resistive load
Electrical Connections	0.8 mm <sup>2</sup> [18 AWG] minimum
Operational Temperature	0°C to 50°C [32°F to 122°F]
Storage Temperature	-30°C to 50°C [-22°F to 122°F]
Relative Humidity	5 to 95% non condensed
Weight	0.17 lbs [75g]
Dimensions	<p>A = 3.50" [89mm] B = 3.00" [76mm] C = 2.16" [55mm] D = 5.24" [133mm] E = 3.97" [101mm] F = 0.37" [9.5mm] G = 0.6" [15mm] H = 0.8" [20mm]</p>

**Process and Wiring**

Temperature	NC contact	NO contact	LED
less than 73.4°F [23°C]	Opens	Closes	On
greater than 78.8°F [26°C]	Closes	Opens	Off
between 73.4°F [23°C] - 78.8°F [26°]	No change of state		
<p><b>Caution:</b> We strongly recommend that all Neptronic® products be wired to a separate transformer and that transformer shall service only Neptronic® products. This precaution will prevent interference with, and/or possible damage to incompatible equipment.</p>			

**Power Input**  
Common  
24Vac / 24Vdc

**SPDT Relay Output**  
NO (normally open)  
Common  
NC (normally closed)

**Status LED**  
ON = < 73.4°F [23°C]  
OFF = > 78.8°F [26°C]