

# **Changeover Control Sensor**

Specification and Installation Instructions

### **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

**Specifications** Input Voltage Consumption Sensor Accuracy Setpoint Hysteresis Relay output

**Electrical Connections** Operational Temperature Storage Temperature Relative Humidity

- No adjustments required (pre-calibrated)
- Built-in mounting tabs and mounting screws supplied for easy installation
- Status LED





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	SCC80
	24 Vac or 24 Vdc
	1.5VA @ 24 Vac
	Thermistor (max temperature 176°F [80°C])
	Accuracy: +/- 1% @ 77°F [25°C]
	Cooling: 73.4°F [23°C] Heating: 78.8°F [26°C]
	5.4°F [3°C]
	One SPDT relay: 1A @ 24 Vdc, 1A @ 24 Vac, resistive load
	0.8 mm <sup>2</sup> [18 AWG] minimum
	0°C to 50°C [32°F to 122°F]
	-30°C to 50°C [-22°F to 122°F]
	5 to 95% non condensed

0.17 lbs [75g] Weight Dimensions В 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]

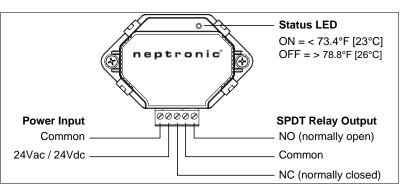
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**Process and Wiring** 

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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		)	

#### Caution:

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.



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