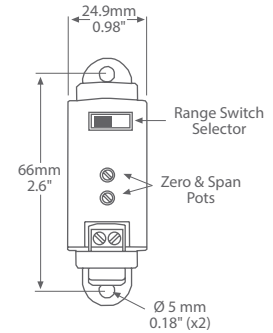
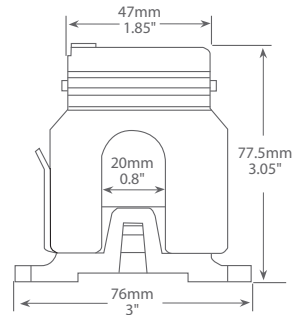


## SPLIT-CORE CURRENT SENSOR



SC-652

### PRODUCT DESCRIPTION

The SC-652 Series current sensors monitor line current for electrical loads such as pumps, conveyors, machine tools, or fans and output a 4-20 mA signal to represent the load current.

The SC-652 is loop-powered and requires a 15-30 Vdc supply.

The sensors are typically used to monitor motor operation and can be used to determine motor failure, belt loss, machine feed rates or tool wear.

### TYPICAL INSTALLATION

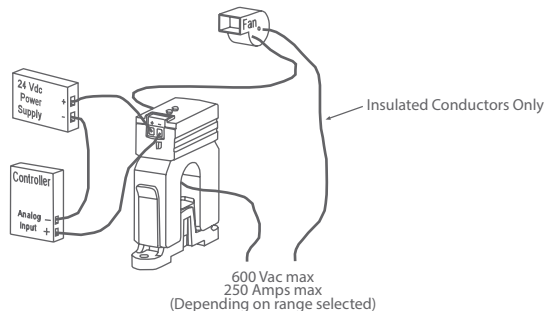
**For complete installation and wiring details, please refer to the product installation instructions.**

The SC-652 series must be mounted in an electrical enclosure and has a removeable integral mounting tab to allow either screw mount to a surface or spring mount to a DIN rail.

The SC-652 series has a 2 wire connection to the Building Automation System.

### SPECIFICATIONS

|                       |  |
|-----------------------|--|
| MEASUREMENT RANGE     | <b>SC-652-R1:</b> 0-20/40/60 Amps<br><b>SC-652-R2:</b> 0-50/100/150 Amps<br><b>SC-652-200:</b> 0-200 Amps                |
| MAXIMUM INPUT CURRENT | <b>SC-652-R1:</b> 100 Amps continuous<br><b>SC-652-R2:</b> 150 Amps continuous<br><b>SC-652-200:</b> 250 Amps continuous |
| ACCURACY              | <b>SC-652-R1/R2:</b> ±2% FSO (5-100% of range)<br><b>SC-652-200:</b> ±1% FSO (5-100% of range)                           |
| SIGNAL OUTPUT         | 4-20 mA  |
| SENSOR POWER          | 15 to 30 Vdc   |
| INSULATION CLASS      | 600 Vac, insulated conductors  |
| FREQUENCY             | 50/60 Hz   |
| RESPONSE TIME         | 250 mS typical, 0-90%  |
| OUTPUT LOAD           | 250Ω typical   |
| MAXIMUM LOAD          | >600Ω at 24 Vdc  |
| OPERATING TEMPERATURE | -15 to 60°C (5 to 140°F)   |
| OPERATING HUMIDITY    | 5 to 90 %RH non-condensing   |
| TERMINAL BLOCK        | 14 to 22 AWG   |
| DIMENSIONS            | 76mm W x 79mm H x 24.9mm D (3.0" x 3.1" x 0.98")   |
| SENSOR APERTURE       | 20.3mm (0.8")  |
| ENCLOSURE MATERIAL    | ABS/PC, UL94-V0  |
| AGENCY APPROVALS      | cULus listed   |



### ORDERING

| PRODUCT       | SC-652     | Split-Core Current Sensor, 4-20 mA Output                         |
|---------------|------------|---|
| SENSING RANGE | <b>R1</b>  | 0-20/40/60 Amps - switch selectable                               |
|               | <b>R2</b>  | 0-50/100/150 Amps - switch selectable                             |
|               | <b>200</b> | 0-200 Amps  |
|               |            | 100 Amps Continuous<br>150 Amps Continuous<br>250 Amps Continuous |

### PART NUMBER

SC-652