



Models

SIA-50

Features

- Provides a voltage output based on the current sensed from the extract fan that is paired with the CMU
- Allows the CMU to modulate its output based on the extract fan
- Analog output (0-10Vdc)
- Selectable amperage ranges from 0 to 10/20/50A



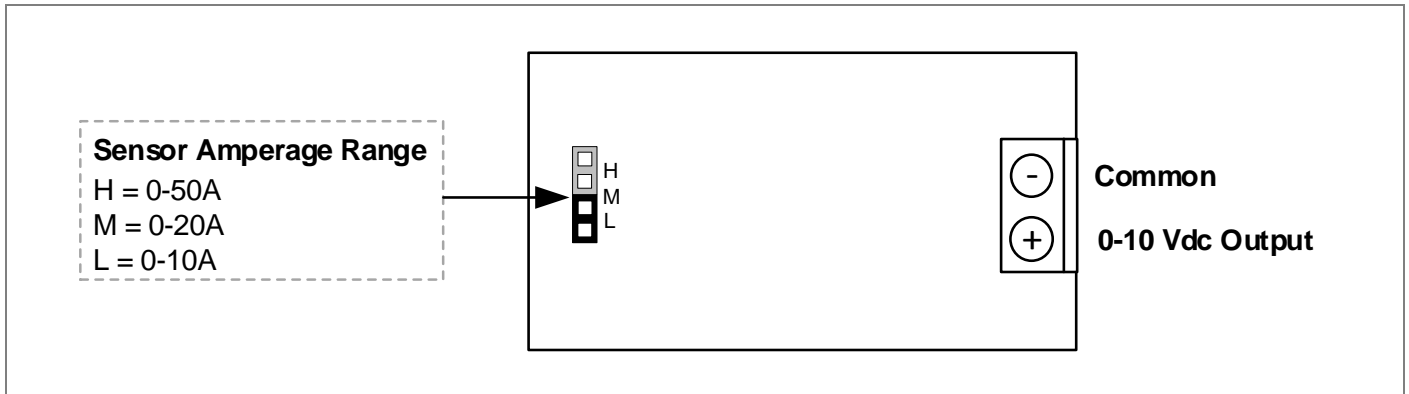
SIA-50

Technical Data



Specification	SIA-50
Maximum Voltage	600Vac
Frequency Range	50 to 600Hz
Amperage Range	0 to 10A, 0 to 20A or 0 to 50A (selectable)
Output Signal	0-10Vdc
Sensor Accuracy	+/- 1% from 5 to 100% of selected amperage range
Response Time	< 300 mS (rise and fall times)
Aperture Size	Ø19mm (0.75")
Operating Temperature	-15°C to 40°C [5°F to 104°F]
Storage Temperature	5°C to 35°C [41°F to 95°F]
Relative Humidity	0 to 95 % non-condensing
Storage Humidity Range	40 to 85% non-condensing
Electrical Connection	2x Conductor (Shielded Cable) 0.82 mm ² to 0.21 mm ² [18 AWG to 24 AWG], Copper wires only <i>The maximum wire length must not exceed 30 m (98.4 ft).</i>
Weight	88 g [0.19 lb]
Dimensions A = 2.36" 60mm B = 2.77" 70mm C = 3.35" 85mm D = 1.03" 26mm E = 2.87" 73mm	
Certifications	



Wiring



Mounting Instructions

-  Any installation or maintenance work must be carried out by suitably qualified personnel.
-  Disconnect the main supply on the unit and external loads before proceeding with any installation or maintenance.

Mount the current sensor using the two #8 x 3/4" Tek screws and the holes located at the bottom of the sensor. Leave a minimum space of 1" (30mm) between the current sensor and any magnetic devices.



Recycling at end of life: please return this product to your Neptronic local distributor for recycling. If you need to find the nearest Neptronic authorized distributor, please consult www.neptronic.com.