



SACO-24v

STAND ALONE CO
SENSOR / CONTROLLER

CARBON MONOXIDE (CO) SENSOR / CONTROLLER

Features

- Australian Manufactured using High Quality 3rd party replaceable CO cell.
- CO cell complies with all relevant standards with international compliance.
- L.E.D Indication of output and fault status
- Easy Site Calibration with ZERO and GAIN potentiometers.
- Test plug for forced 100 % and Fault mode Output test.
- Fault input selectable as N/O (close on run) or N/O close on fault.
- Voltage free relay rated at 10Amps @ 240vac
- 0-10vdc modulating output for variable fan speed control.
- Inbuilt Siren & Mute button for fault or high CO levels
- Fulfills AS1668.2-2012 unoccupied Carpark CO control requirements

Use

The SACO-24v is primarily designed as a Carpark Carbon Monoxide sensor/controller for control of ventilation fans to maintain safe CO levels as per AS1668 requirements. The SACO-24v is powered by 24vAC or DC. In response to increasing CO the sensor energises its internal relay at 15ppm and also generates a 2 to 10 volt DC output signal from 15 - 30 ppm for variable fan speed control. The sensor is marked with a signed calibration date sticker & comes with a certificate of compliance. Hevac recommend a 12 month recalibration period.

Available in the near future is an optional plug in timer module to cause 10 minute fan operation daily to meet minimal ventilation requirements if no fan operation has occurred in the previous 24 hours, in the interim we suggest the use of an external 24 hour time switch to operate the fans for 10 minutes each day.

A 240v powered version of this sensor/ controller is also available : SACO-240v.



Made in Australia
100% Australian Owned Company

Technical Data

General Specifications

Operating Voltage 24 Volts AC or DC

Power Consumption
24 DC Volts 40 mA
24 AC Volts 0.5 Va

Outputs

240v 10amp rated potential free relay ON @ 15 ppm
OFF @ 9 ppm
0-10vdc fan speed control output 0v -10v over 15 - 30 ppm
Siren ON @ 60 ppm, OFF @ 50PPM or any fault condition.

Environmental Conditions

Operation

Ambient Temperature 0...40oC
Humidity < 90 % RH (Non Condensing)

Storage and Transport

Ambient Temperature *recommended* 10...30oC
Humidity *recommended* < 75 % RH

Product Standards

As per Australian standards.

Weight

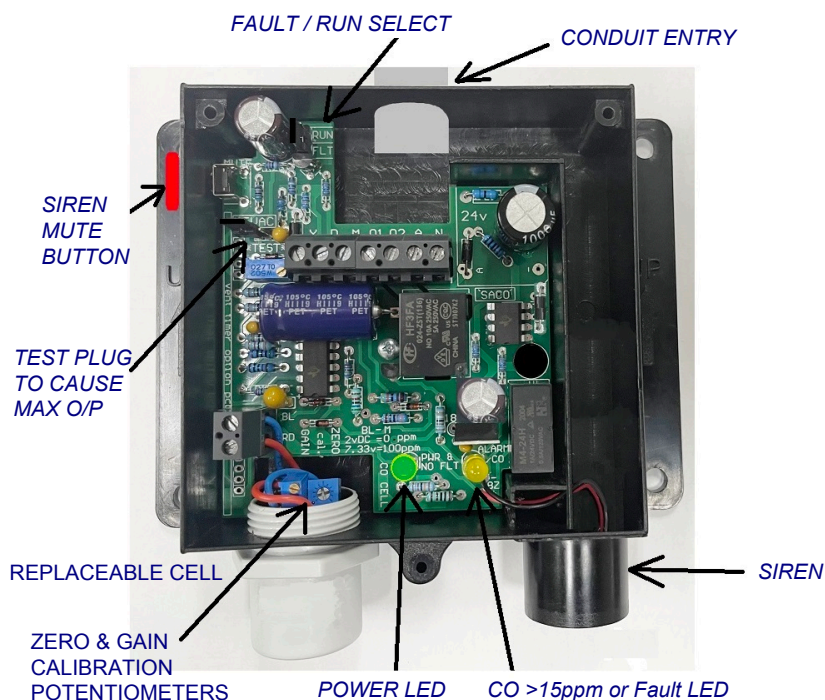
Including Packaging 150 grams

Housing

Colour BLACK
Material ABS POLYCARBONATE
UV Stabilised YES
Fire Retardant YES
Size H122mm x W98mm x D35mm
Mounting Method Wall mount 4 screw locations

Recalibration requirements

12 months



Terminal Designations

Y : 0-10vDC Control output
D : Fault or Run proof input
M : 0-10v reference Ground
Q1 & Q2 N/O Relay contacts
A : 24Volt Supply Active AC or DC
N : 24V Neutral