

AGSMERLINCS1

Datasheet

Single Current Switch



Product Overview

The Merlin CS1 is a method used for interlocking a kitchen's gas supply with the ventilation system. As an alternative to air pressure differential switches the CS1 is designed to monitor the current going to a single ventilation fan. When the fan is running and a current is being drawn along the live feed, a magnetic field is induced through the coil and the current switch will send a closed contact along two low voltage cables to any AGS controller. Gas can now be introduced into the kitchen.

If the CS1 can not detect any current, the CS1 will switch the normally closed dry contact to open and will send a signal back to the connected AGS controller to shut off the utility supply i.e. fuel gas to the kitchen range.

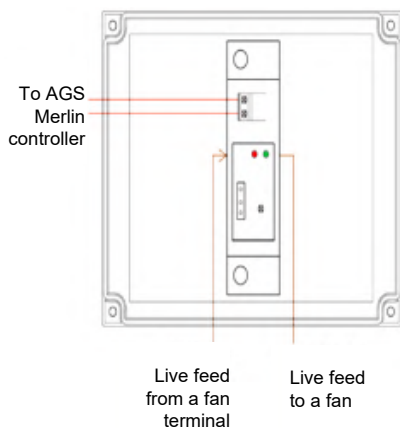
Key Features

- ✓ Single current switch - most commonly used to monitor the current of a mechanical fan.
- ✓ 0.085a-50a current range.
- ✓ Straight forward to install and calibrate.
- ✓ 3 Year AGS Warranty.

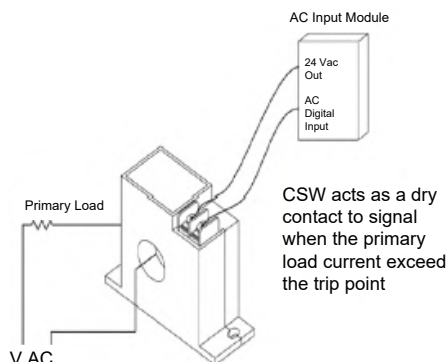


Open Circuit - The Merlin CS1 cannot detect current
Closed Circuit - The Merlin CS1 can detect current

Wiring Diagram



Typical Current Switch Example



Technical Specifications

Power Supply:	None – Self Powered
Set-point:	0.5A...200A
Output Switch:	0.3A @ 135V ac/dc
Hysteresis:	<2% FS max
Response Time:	<200mS
Dimensions (mm):	61 x 90 x 25
Enclosure Material:	UL 94V-0 flammability
Conductor Hole Diameter (mm):	rated ABS 19mm
Operating Temperature:	-25°C to 70°C CE /
Certification:	UL / RoHS

Find out more

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