

Merlin PM2 Double Current Monitor



Key Features

- Reliable method of interlock, with no moving parts there is little to go wrong.
- Interlock with up to 2 fans using the two built in current monitors.
- 0.5a-20a current range.
- Straight forward to install and calibrate.
- The PM2 can be easily adjusted to the users requirements.
- 3 Year AGS Warranty.

Overview

The Merlin power monitor is a method used for interlocking a kitchens gas supply with the ventilation system. As an alternative to pressure differential switches the PM2 is designed to monitor the current going to a ventilation fan. When the fan is turned on the PM2 monitors the electrical current going to the fan motor, when there is sufficient current going to the fan monitor the PM2 sends a signal back to the Merlin system indicating the fan is running. Gas can now be introduced into the kitchen.

Operating Instructions

The Merlin PM2 current monitor requires a 12vdc power supply. (This is normally provided from the main Merlin system which it is used in conjunction with)

Application

- Restaurants.
- Care Facilities.
- School and College Kitchens.
- Used in conjunction with the Merlin 1500 & 2000 to monitor the current of the ventilation before allowing the gas solenoid valve to open.



Gas Safety Systems

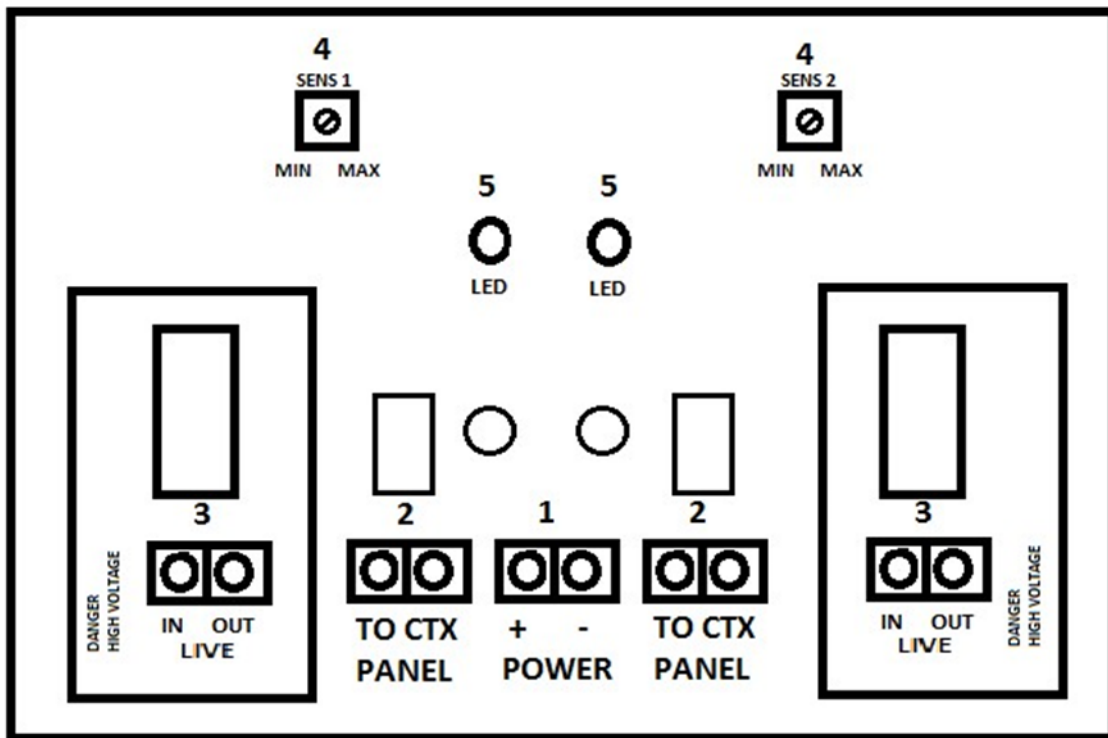
Utility Control

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Technical Specifications

Power Supply	12VDC from Merlin Panel
Enclosure	Wall mounted Fully UL certified enclosure. Flush Mount kit available.
Dimensions	W113 x H163 x D62 mm
Supply Fan Current Monitor	110-120vac, 50/60HZ
Supply Fan Current Monitor (Amp Monitor Range)	0.5a - 20a
Extract Fan Current Monitor	110-120vac, 50/60HZ
Extract Fan Current Monitor (Amp Monitor Range)	0.5a - 20a
To CTX Panel terminals (Switched Connection)	Volt Free*

*Volt Free. Do Not connect any device which generates a separate source of voltage on this circuit. Any voltage applied to these connections will damage the microcontroller.



1. Power input from Merlin Panel, 12VDC
2. Connections to Merlin 1500S or 2000S Air PD terminals. **LOW VOLTAGE**
3. Supply Fan & Extract Fan Current Monitors, MAX 20AMPS
4. Potentiometers
5. LED Lights.