

# CGSPM2+

## Datasheet

### Dual Fan Current Monitor



**Open Circuit - The Merlin PM2+ cannot detect current**  
**Closed Circuit - The Merlin PM2+ can detect current**

## Product Overview

The Merlin power monitor is used for interlocking a 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.

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

## 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.
- ✓ 3 Year CGS Warranty.

## 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)	Dry Contact*

**\*Dry Contact. 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.**

Find out more  
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