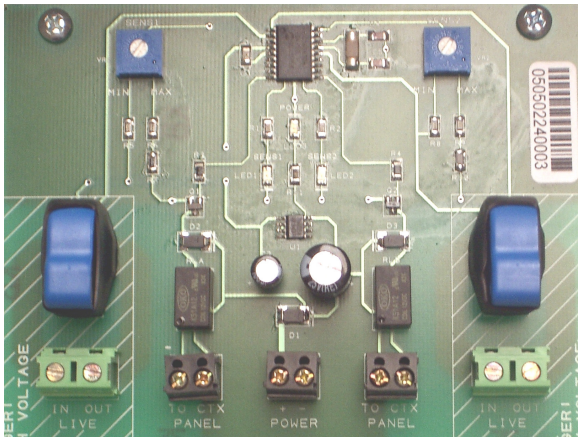


MERLIN RANGE

The Merlin Power Monitor (PM2)

The Merlin power monitor is a method used for interlocking a kitchen's 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 motor the PM2 sends a signal back to the Merlin system indicating the fan is running. Gas can now be introduced into the kitchen.



Calibration of the PM2 is easy, once wired set the fan speed controller to setting 1 (or low setting) for example.

Turn the blue rotary switches anti-clockwise until the green LED goes out, then slowly turn clockwise until the green LED is again illuminated. This will give you the minimum current requirement, if the fan is turned off the LED will go out, send a signal to the Merlin panel, which will in turn shut off the gas.

Advantages of the PM2 are:

Can be used when pressure differential switches cannot be used e.g. wall-mounted fans.

Reliable method if interlock, with no moving parts there's little to go wrong.

Straightforward to install and calibrate. The PM2 can be easily adjusted to the user's requirements.

This method is not recommended with belt driven fans.

