

THE MERLIN RANGE

MERLIN 1500S SYSTEM

The Merlin 1500S ventilation interlock system is specifically designed for use in commercial kitchens to meet BS6173. This panel is designed for use when the kitchen appliances do have flame failure devices fitted, therefore gas proving is a not a requirement.

The Merlin 1500S System acts as an interlock between the ventilation system and the gas solenoid valve. The systems can work in conjunction with both current monitors and air pressure differential switches in order to interlock with up to 4 fans.

The Merlin 1500S can also work in conjunction with Merlin natural gas, carbon monoxide, carbon dioxide and LPG sensors.



Key Features of the Merlin 1500S System

- Allows Compliance with BS6173 for commercial kitchens.
- Clear LED display for system indications
- BMS Normally Closed or Normally Open and Common
- Interlocking with fans using either Air PD switches or fan current sensors
- Easy installation
- Will accept remote and emergency knock-off buttons
- Covered by S&S Northern Ltd 3 year warranty.



KITCHEN EQUIPMENT ENGINEERED TO MEET BS6173

Ventilation/gas Interlock ensures the gas solenoid valve cannot be opened until any fans connected to the panel are operating. If at any time the fan fails a signal will be sent to close the gas solenoid valve, the panel will read "fan fault" and the "LED" relating to the fan that has failed will flash.

Natural gas, carbon monoxide, carbon dioxide and LPG detectors can be used with the Merlin 1500S. If the detector goes into alarm due to a build-up of gas the system will sound an alarm and shut the gas solenoid valve preventing further gas leakage and the "gas detected" light will be illuminated red.



Merlin 1500S System Wiring Diagram

1. 230v AC Supply
2. 230v AC output to valve
3. Input - close when fan on
(for use with PD switches or current monitor)
4. Terminal for BMS connections
5. Disabled
6. Remote emergency stop button input
7. Gas detector input & Permanent 12v DC output
8. CO2 Monitor output
9. Permanent 12v DC output
(normally used to power PM2 current monitor)

S&S Northern has a full technical team available on 01257 470 983
or if you are based in the South East please call 01702 291 725

Merlin 1500S Box Dimensions

Height	178mm
Length	254mm
Depth	62mm

