

THE MERLIN RANGE

CT1200S SYSTEM

The Merlin CT1200S ventilation interlock system is designed specifically for use in commercial kitchens to meet BS6173. This panel is to be used when the kitchen appliances do have flame failure devices, therefore Gas proving is not a requirement.

The Merlin CT1200S acts as an interlock between the ventilation system and the gas solenoid valve.

This system can work in conjunction with both external current monitors and air pressure differential switches in order to interlock with up to 2 fans.



Key Features of the Merlin CT1200S System

- Allows compliance with BS6173 for commercial kitchens
- To be used when all appliances have flame failure devices
- Interlocking with fans using Air pressure differential switches.
- Can also be used to interlocked with Merlin CS1 and CS2 Switches
- Reliable method of interlock, with no moving parts there's little to go wrong
- BMS Terminals Normally Closed or normally open and common.
- Will accept remote emergency knock-off buttons
- Clear LED display for system indications
- Easy installation
- Covered by S&S Northern Ltd 3 year warranty.



KITCHEN EQUIPMENT ENGINEERED TO MEET BS6173

To operate the Merlin CT1200S the fans should be turned to the "on" position, once our panel receives a signal to indicate the fans are operating turn the key to the "on" position this will open the gas solenoid valve. If the fans should fail, the "fan fault" LED on the panel will illuminate and the gas solenoid valve will close. When there is a "fan fault" the supply fan or extract fan led will flash to inform the electrician or kitchen staff which fan has failed. Installation for the Merlin CT1200S is easy as there is no calibration. Wiring of the system is straightforward using volt free connections for all air pressure differential switches and remote emergency stops. A Gas Safe installer would be required to fit the gas solenoid valve. All Gas solenoid valves supplied by S&S Northern carry a full 3-year manufactures warranty.

We only supply the highest quality air pressure differential switches for increased longevity and reliability. Electrical connections are made by use of two-core cable. Incorporated in the Merlin CT1200S is a 10 seconds Airflow dropout delay. In the event of interruptions to airflow for less than 10 seconds the delay will allow the gas solenoid valve to remain open, preventing nuisance tripping. Should the airflow be interrupted for 10 seconds or more the fan fail LED will illuminate and the gas solenoid valve will close.

Alternatively to air pressure differential switches, the Merlin CT1200S system can also be used to work in conjunction with external current monitors, the Merlin CS1 and CS2.



Merlin CT1200S System Wiring Diagram

1. 230v AC Supply
2. 230v AC output to valve
3. Terminal for BMS connections
4. Remote emergency stop Input
5. Fan sensor input- close when fan on -
(for use with PD switches)

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 CT1200S Box Dimensions

Height	113mm
Length	163mm
Depth	62mm

