

## Merlin Kitchen Equipment

The Merlin Kitchen Range of products is used specifically to meet BS6173:2009, a much recognised standard in the catering industry.

Merlin panels can be used either when kitchen appliances do or do not have flame failure devices fitted. When there is a flame failure device present, only the ventilation interlocking panels are required. However, if no flame failure exists, additional pressure proving is required to meet BS6173:2009.

### Merlin Gas/Ventilation Interlocking Panels

These systems act as an interlock between the ventilation system and the gas solenoid valve. The systems offer a range of methods such as current monitoring or air pressure differential pressure switches.

#### CT1250

The Merlin CT1250 ventilation interlocking system, with built-in current monitoring is designed specifically for BS6173:2009 in commercial kitchens.

The panel is to be used when the kitchen appliances have flame failure devices fitted, therefore pressure proving is not a requirement.

#### Key Features:

- Complies with BS6173:2009
- Clear LED display for system indication
- Can be used when air pressure differential switches cannot
- Reliable method of interlock, with no moving parts there's little to go wrong
- BMS terminals Normally Closed or Normally Open or Common
- This method is not recommended with belt driven fans
- Easily adjusted to the user's requirements

#### CT1200S

The Merlin CT1200S ventilation interlocking system, with built-in current monitoring is designed specifically for BS6173:2009 in commercial kitchens.

Incorporated into the CT1200S is a 30 second airflow dropout delay. This means that in the event of an interruption to airflow for less than 30 seconds, the system will not close the gas solenoid valve, preventing nuisance shut offs. However, if the airflow drop exceeds 30 seconds, the gas solenoid valve will shut.

#### Key Features:

- Complies with BS6173:2009
- Clear LED display for system indication
- Interlocking with fans using air pressure differential switches
- Easy installation
- BMS terminals Normally Closed or Normally Open or Common



## Merlin Gas/Ventilation Interlocking & Gas Detection Panel

### CT1500GD

Just like the 1250 & 1200, the CT1500GD acts as an interlock between the ventilation system and the gas solenoid valve. It ensures the gas solenoid valve cannot be opened until the ventilation system is proven to be operating.

The fans can be monitored with either air pressure differential switches or by means of a current monitor.

Natural gas, LPG, carbon monoxide or carbon dioxide detectors can be used with the Merlin CT1500GD. 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 leakage.

### Key Features:

- Complies with BS6173:2009 for commercial kitchens
- Clear LED display for system indication
- Interlocking with fans using either air pressure differential switches or current monitors
- Easy installation
- BMS terminals Normally Closed or Normally Open or Common
- Key operation gives the user complete control
- Compatible gas detectors for added protection

## Merlin Gas/Ventilation Interlocking, Pressure Proving & Gas Detection Panels

These systems act as an interlock between the ventilation system and the gas solenoid valve. However, unlike the systems above, the following system also offers pressure proving for when kitchen appliances do not have flame failure devices fitted.

### CT2000GD

This panel is designed for use when kitchen appliances do not have flame failure devices, therefore pressure proving is a necessity under BS6173:2009.

The CT2000GD panel combines modern digital gas proving technology along with reliable ventilation interlocking connections in one panel.

When the gas pressure drops below 12mb, the 'Pressure Low' LED will illuminate. At a pressure as low as 12mb, the flame will be so weak it could simply blow out, with the gas continuing to leak into the room.

The gas pressure sensor screws directly into the valve, leaving no exposed copper connections.

### Key Features:

- All the same as CT1500GD
- Gas proving for when kitchen appliances are not fitted with flame failure devices
- Low pressure monitoring for incoming gas supply
- Works with most gas solenoid valves

