



Gas Interlock Systems For Commercial Kitchens

Control Panels



Merlin 1200S

- ✓ External current switches or air pressure differential switches required
- ✓ 10 second nuisance tripping delay



Merlin 1250

- ✓ In-built current monitors to interlock with up to 2 fans.
- ✓ Interlock with fans up to 20a
- ✓ 10 second nuisance tripping delay



Merlin 1250X

- ✓ In-built current monitors to interlock with up to 2 fans
- ✓ Intelligent current monitor to set high and low parameters using display screen
- ✓ Adjustable sensitivity threshold to reduce nuisance drop out, including 10 second tripping delay



Merlin 2000X

- ✓ Interlock up to 4 fans using external interlocking methods & 2 in-built current monitors
- ✓ Intelligent current monitor to set high and low parameters using display screen
- ✓ Adjustable sensitivity threshold to reduce nuisance drop out, including 10 second tripping delay
- ✓ Gas pressure proving feature used for kitchen where gas appliances do not have flame failure devices fitted



Merlin 3000S

- ✓ For New & Retrofit kitchen gas & electric installations
- ✓ Automatically adjusts ventilation in response to the presence and level of cooking activity
- ✓ Reduces energy waste, improves kitchen comfort
- ✓ One controller monitors two hoods
- ✓ Average installed ROI is 1-2 years based on climate
- ✓ ETL Listed (Energy Technology List)





Ancillary Products

For Merlin Gas Interlock Systems



Screwed & Flanged Gas Solenoid Valves

- ✓ Sizes 1/2" - 6" available
- ✓ Power LED indicator
- ✓ 1/4" downstream port for gas pressure proving
- ✓ Normally closed - powered open
- ✓ IP65 rated



Water Solenoid Valves

- ✓ 240VAC, 24VAC & 24VDC available
- ✓ Normally open or normally closed
- ✓ Sizes 1/2" - 2" available
- ✓ WRAS approved



Fan Speed Controllers Invertor Drives

- ✓ Various types available
- ✓ Start / stop switch
- ✓ Variable speed dial
- ✓ Internal minimum output potentiometer
- ✓ Various types available
- ✓ Internal category C1 EMC filter
- ✓ Internal PI control
- ✓ Internal brake chopper
- ✓ Dual analogue inputs
- ✓ Operates up to 50°C
- ✓ Bluetooth connectivity



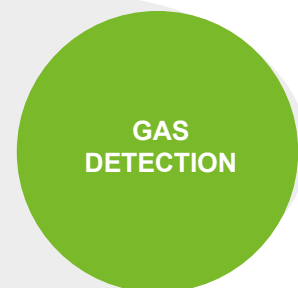
Emergency Gas Shut Off Button

- ✓ Key resettable perspex screen
- ✓ Shrouded fascia means it cannot be easily knocked
- ✓ 'Gas shut off' label on the fascia
- ✓ Activation indicator when emergency button has been activated



CO2 Monitoring

- ✓ 24VAC/DC powered
- ✓ 2 x relay outputs (1 x pre alarm & 1 x alarm)
- ✓ Linear scale 0-10V output (1-2000ppm) or (0-5000ppm)
- ✓ End of life reminder
- ✓ In-built audible alarm
- ✓ Traffic light indicator
- ✓ Latching relays enable/disable



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