

## EGIP-1 Automatic Gas Proving & Interlock System

### Features:

- Combined gas proving and ventilation interlock control
- Adjustable purge and prove time
- Automatic detection of downstream leaks and open gas valves
- Simple to install single valve and pressure switch arrangement
- Low voltage field wiring, sensor outputs and interlocks are all 24v
- On board power to supply for up to 2 x 0-10v sensor heads (CO2, Methane, LPG etc)
- Also supply BD100 compliance for boiler houses





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The EGIP is a multifunction gas pressure proving and ventilation interlock system. It is ideal for use in the commercial kitchen where some or all of the appliances don't have FFD's. This system is equally at home in the lab environment or boiler room and, in particular, where CO2 control or explosive gas detection is a consideration.

The unit can be set up to provide bb100 compliance in the boiler room, you can select between automatic reset after mains failure or after both mains failure and fire alarm test.

Our specific software, tailored for the school laboratory provides CO2 control regardless of whether the gas or electric is in use. When the system is off i.e the gas or electric isn't in use, if the CO2 rises above the set point of POT1 the system will operate "aux relay 1" this can in turn operate ventilation fans to ventilate the room. When the gas is turned on for use the "aux relay 1" is operated ensuring the ventilation is on ready for the use of gas. Should the CO2 level rise above the setting of POT2 then the gas will be isolated for safety. Software can always be tweaked to allow for specific site requirements.

The EGI range offers flexibility and reliability. If for example an EGIP is fitted to a lab and after installation it's decided that electric control is required, it's just a case of swapping the front fascia panel. The main PCB is common throughout the range and it's only a matter of changing a few dip switches to gain extra functionality.

### Technical details:

- Enclosure dimensions 240 x 195 x 90 (keyswitch protrudes upto 50mm more)
- Electrical supply 230v upto 700w depending on outputs used
- **Outputs:**
  - 230v gas valve output
  - 24v aux supply
  - 0 - 10v analogue
- **Inputs:**
  - Fan interlock
  - Fire alarm interlock
  - Auxiliary interlock )
  - Emergency stop interlock
  - Gas pressure switch
  - 2 x 0 - 10v analogue



For more details on the Intelligas product range contact Red Dragon:



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**Complementary products from Red Dragon include:**

EN161 gas solenoid valves - manual reset or auto reset

Pressure and differential pressure switches

CO2 sensors

Knock-off buttons

Current sensors

Insertion or inline thermal mass gas flow meters

Ultrasonic air/gas leak detector