



# INTELLIGAS

Gas safety & control systems

## Laboratory services controller

### EGIP-WE

#### Features:

- Combined gas proving, water and electricity control system.
- Adjustable purge and prove times.
- 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 1 x explosive gas detector and 1 x co2 detector.
- Automatic ventilation control negates the need for costly BMS installations. Adjustable vent start thresholds, with CO2 level speed control.





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The EGIP-WE is a microprocessor based multi services controller. It provides not only the control of gas, water and electric services but also aids compliance with building bulletin 101 (carbon dioxide levels in classrooms) & IGE/UP/11 (gas installations in educational establishments). This makes the unit ideally suited to the school laboratory environment.

The EGIP-WE has been designed with a tight budget in mind. The system negates the need for extensive BMS controls for ventilation systems as the control of laboratory vent can be covered directly by the EGIP-WE. Onboard relay outputs can start ventilation fans while the 0-10v outputs can control the ventilation level dependant on laboratory air quality. Gas safety and regulatory compliance is ensured with the ventilation interlock function within the panel.

Services can be time limited by using the selector switches within the panel. a choice of 1,2 or 3 hour lesson times can be made, ensuring services aren't accidentally left on. Once the first service is chosen, then the timer begins. After the timer expires then the original service and any subsequently selected services will be automatically isolated.

Inputs for fire alarm interlock, extra emergency stop buttons and explosive gas detection are all provided as well as a remote on/off input to ensure all services are isolated and only available when the input permits.

### 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
  - 230v Water valve
  - 230v contractor supply
  - Fan start relay
  - 1 x 0-10v analogue fan speed control
  - Fault relay
- Inputs:
  - 0-10v CO2 detector
  - 0-10v explosive gas detector
  - BMS all off digital in
  - Fire alarm
  - Airflow interlock
  - Emergency stop

