

## LK/EGIP-WE Laboratory Service Controller

The LK/EGIP-WE is a microprocessor based multi-Laboratory controller for the control of gas, water and electric services. It has been designed in compliance with building bulletin 101 (Carbon dioxide levels in classrooms) & IGE/UP/11 (gas Installations in education establishments). The unit is ideally suited for school laboratory environments.

The unit negates the need for extensive BMS control of ventilation systems. The laboratory can be controlled directly by the LK/EGIP-WE. Incorporated relays start the ventilation fans whilst the 0-10v outputs can control the ventilation level dependent upon the rooms air quality. Gas safety and regulatory compliance is ensured with the ventilation interlock function of the panel.

The LK/EGIP-WE Laboratory controller can be set up to time limit through selector switches within the panel 1,2 or 3 hour lesson sessions. This time limit ensures that services are not accidentally left on. Once the first service has been 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 Specification

<b>Dimensions</b>	240 x 195 x 90mm (Key Switch protrudes 50mm)
<b>Supply Voltage</b>	230v/50Hz
<b>Output Voltage</b>	Gas Valve 230v/50Hz Water Valve 230v/50Hz 1 x 0-10v (analogue fan speed control)
<b>Inputs</b>	Fault Relay 0-10v CO2 detector 0-10v explosive gas detector BMS all off digital in Fire Alarm Gas Pressure Switch External Emergency Stop
<b>Ambient Temperature</b>	-10°C to 50°C
<b>Weight</b>	1kg

### Features

- Gas proving
- Water control
- Electricity control
- CO2 detection
- Gas detection
- Fire Alarm Integration
- Adjustable purge and prove times
- Low voltage field wiring
- 101 Building Bulletin Compliant
- IGE/UP/11 Compliant
- Automatic vent start and control

