

FINE CONTROLS (UK) LTD



Fine Controls have been supplying process controls & instrumentation equipment since 1994, & now serves an ever expanding customer base, both in the UK & globally.

We offer a full range of valve & instrumentation products & services, with our product range representing leading technologies & brands:

Flow: Flow Meters & Transmitters, Flow Switches, Flow Control Valves & Batch Control Systems

Temperature: Temperature Probes & Thermowells, Temperature transmitters, Temperature Regulators & Temperature Displays

Level: Level Transmitters & Switches

Pressure: Pressure Gauges & Transmitters, Precision & High Pressure Regulators & I-P Converters, Volume boosters.

Precision Pneumatics: Pressure Regulators, I-P Converters, Volume Boosters, Vacuum Regulators

Valves: Solenoid & Pneumatic Valves, Control Valves & Positioners, Actuated Ball, Globe or Diaphragm Valves & Isolation Valves

Services: Repair, Calibration, Panel Build, System Design & Commissioning

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LK-GMS GAS PROVING SYSTEM

The LKGMS provides personal and environmental safety for gas installations in kitchens, schools, hotels, laboratories, workshops and industrial sites. The LKGMS controller is a fully automatic pressure proving system that will check out pipework and determine if there is a system leak. The control panel will when turned on, energise the gas supply valve for a short period of time and then perform a series of tests on the pressure in the pipework. From the result of these tests the control panel will declare the pipework leak-tight or not. This is indicated by one of two lights on the control panel. If the pipework is declared leak-tight, then the gas supply valve is energised.

When fitted in conjunction with the a GB Series gas safety shut off valve approved to BS EN161 LKGMS this provides an automatic proving system for gas installations. The unit can be interlinked with extract fans, it also features an integral switch for timed shutdown, key switch and emergency gas shut-off switch for security and safety.

FEATURES

- Easy installation and commissioning
- Emergency shut down switch
- Proving cycle initiated manually by key switch
- 6 LED's for indication of system status
- Integral time switch to facilitate automatic system shut down
- Low power consumption
- Auxiliary Alarm relay
- Minimum connections and does not vent gas during proving cycle
- Auxiliary switch loop for external isolation i.e. differential pressure switch, panic button etc.



LK-GMS GAS PROVING SYSTEM

LED STATUS INDICATION

The LKGMS has six LED's to indicate the mode of the controller.

- 1) POWER - Indicates power supply to unit.
- 2) PROVING - Remains illuminated while in proving mode.
- 3) VALVE - Indicates energised gas valve.
- 4) FAILED - Indicates failed proving cycle.
- 5) PROVED - Indicates that system is proved and safe to use.
- 6) ALARM - Indicates break in auxiliary isolation circuit.

Technical Specification

<i>Supply Voltage:</i>	230V AC
<i>Power:</i>	30VA + valve
<i>Enclosure:</i>	Off-White epoxy powder coated steel with locking door.
<i>Protection Rating:</i>	IP54
<i>Temperature Range:</i>	-10°C to +50°C
<i>Valve Voltage Output:</i>	As supply voltage
<i>Valve Current Output:</i>	5A max
<i>Weight:</i>	1Kg (excluding main valve)

Timer

Programmable 7 day

Valve

EN161 Approved gas valve

Pressure Switch

<i>Setting Range:</i>	2.5 to 50mbar (1 to 20" w.g.)
<i>Mounting Thread:</i>	G¼ female on base
<i>Housing Material:</i>	Diecast Aluminum with Polycarbonate cover
<i>Electrical Contacts:</i>	Screw terminals via PG11 Cable gland
<i>Protection Rating:</i>	IP54
<i>Approvals:</i>	To EU Gas Appliance Directive CE-0085 AO 0012

