

LABSAFE PGLS001 Gas Proving System

The Labsafe PGLS001 is a gas pressure proving system for use in schools and laboratories featuring:

- **Control Panel and Pressure Transmitter.**
- **Constant monitoring for low gas pressure.**
- **Simple installation and commissioning; no complex volume or orifice plate calculations required.**
- **Removable key switch for security.**
- **Emergency Cut-Off switch as standard.**
- **Low power consumption.**
- **Can be used on Natural and LP Gas**
- **LED status indications.**
- **Must be used with an EN161 Approved solenoid or Electro-Hydraulic safety shut off valve.**
- **Connections to gas supply safety shut-off valve.**

SPECIFICATIONS

INPUT SUPPLY	OUTPUTS	LED INDICATORS
230VAC 50Hz 3 Amps max	230VAC to gas valve 5 Amp rating	Power on-green Testing-yellow Gas on-red Test fail-yellow Low supply-yellow Emergency Stop-yellow

DIMENSIONS



Black Teknigas and Electro Controls Limited

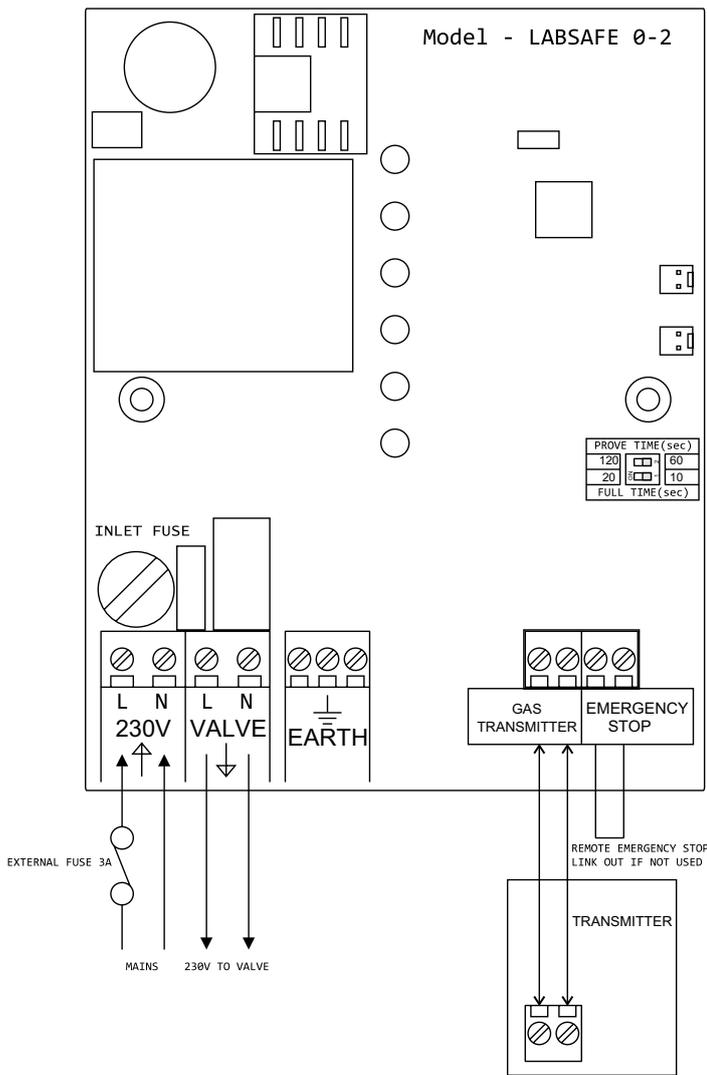
Colmworth Business Park, Eaton Socon, St Neots, Cambridgeshire, PE19 8YX

TEL: +44 (0)1480 407074 FAX: +44 (0)1480 407076

Email: sales@electrocontrols.co.uk www.electrocontrols.co.uk

All details are for guidance purposes only.
Black Teknigas and Electro Controls Limited reserve
the right to change the design of products without notice.

CONNECTIONS



MOUNTING

There are no pre drilled holes in the enclosure for the input/output cable glands as these must be drilled in the appropriate position for the installation.

Prior to drilling the pcb must be removed. Once the holes have been drilled they must be carefully deburred and all plastic shavings removed from the enclosure. Replace the pcb using the two screws-Do not over tighten these screws.

SETTINGS

Fill time-Set using Switch 1 to 10 or 20 sec
(factory default 10 sec)

Prove time-Set using Switch 2 to 60 or 120 sec
(factory default 60 sec)

If the remote Emergency Stop is not required a wire link should be inserted to connect the two Emergency Stop terminals on the pcb

OPERATION

Switch on the power and check that the green Power indicator is illuminated.

Insert the key into the key switch and turn to the ON position.

The yellow Testing indicator will be lit continuously for the Fill time as set above and then flash at 1 sec intervals for the duration of the Prove time. If at the end of this time the pressure in the outlet pipe work is sufficient then the red Gas on indicator will be lit and the gas will be supplied normally.

If at any time during the Proving cycle the pressure in the outlet pipework should drop to less than 80% of the inlet gas pressure the yellow Test fail indicator will be lit.

In this event the key switch should be turned to the OFF position and a check should be made that all gas taps are closed. Once this is rectified testing can be restarted by turning the key switch to the ON position.

SAFETY

Installation must be by a qualified electrician and must meet all local regulations.

The mains supply should be externally fused at 3 amps.

REF: CAT 084/A

Black Teknigas and Electro Controls Limited

Colmworth Business Park, Eaton Socon, St Neots, Cambridgeshire, PE19 8YX

TEL: +44 (0)1480 407074 FAX: +44 (0)1480 407076

Email: sales@electrocontrols.co.uk www.electrocontrols.co.uk

All details are for guidance purposes only.
Black Teknigas and Electro Controls Limited reserve
the right to change the design of products without notice.

COOKSAFE PGCS002

Gas and Fan Proving System

The Cooksafe PGCS002 is a gas pressure and fan proving system for use in commercial kitchens featuring:

- **Control Panel, Pressure Transmitter and Fan Pressure Switch.**
- **Constant monitoring for low gas pressure.**
- **Isolation of the gas if the ventilation fan fails**
- **Simple installation and commissioning; no complex volume or orifice plate calculations required.**
- **Removable key switch for security.**
- **Emergency Cut-Off switch as standard.**
- **Low power consumption.**
- **Can be used on Natural and LP Gas**
- **LED status indications.**
- **Must be used with an EN161 Approved solenoid or Electro-Hydraulic safety shut off valve.**
- **Connections to gas supply safety shut-off valve.**

SPECIFICATIONS

INPUT SUPPLY	OUTPUTS	LED INDICATORS
230VAC 50Hz 3 Amps max	230VAC to gas valve 5 Amp rating	Power on-green Testing-yellow Gas on-red Test fail-yellow Low supply-yellow Emergency Stop-yellow

DIMENSIONS



Black Teknigas and Electro Controls Limited

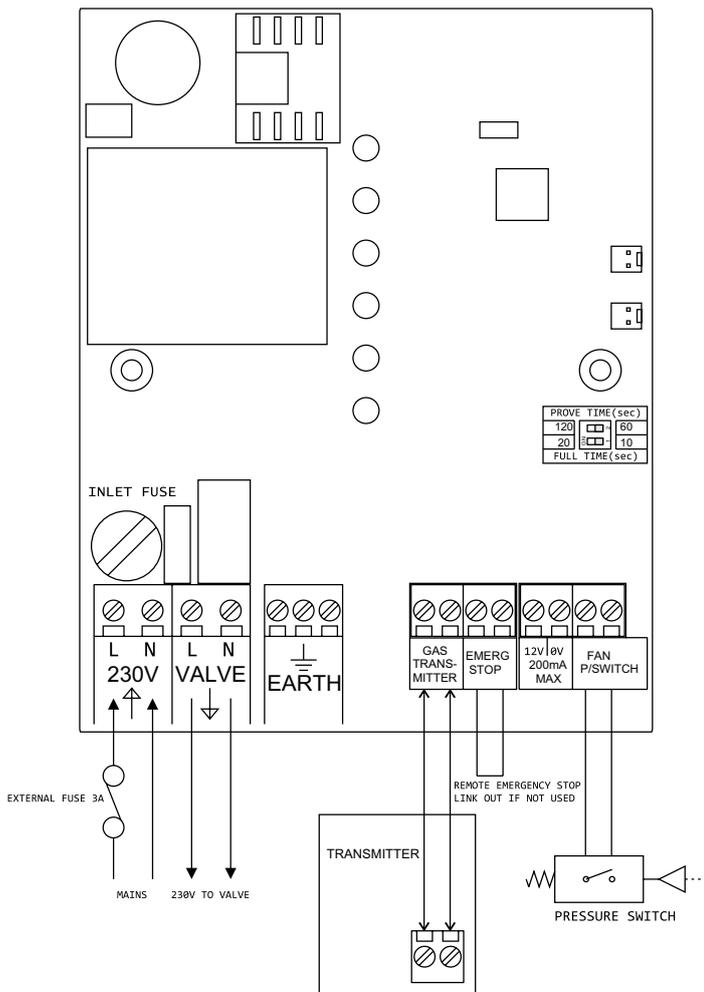
Colmworth Business Park, Eaton Socon, St Neots, Cambridgeshire, PE19 8YX

TEL: +44 (0)1480 407074 FAX: +44 (0)1480 407076

Email: sales@electrocontrols.co.uk www.electrocontrols.co.uk

All details are for guidance purposes only.
Black Teknigas and Electro Controls Limited reserve the right to change the design of products without notice.

CONNECTIONS



MOUNTING

There are no pre drilled holes in the enclosure for the input/output cable glands as these must be drilled in the appropriate position for the installation.

Prior to drilling the pcb must be removed. Once the holes have been drilled they must be carefully deburred and all plastic shavings removed from the enclosure. Replace the pcb using the two screws-Do not over tighten these screws.

SETTINGS

Fill time-Set using Switch 1 to 10 or 20 sec
(factory default 10 sec)

Prove time-Set using Switch 2 to 60 or 120 sec
(factory default 60 sec)

If the remote Emergency Stop is not required a wire link should be inserted to connect the two Emergency Stop terminals on the pcb

OPERATION

Switch on the power and check that the green Power indicator is illuminated.

Switch on the ventilation fan and check that the red Fan Operating indicator is lit.

Insert the key into the key switch and turn to the ON position.

The yellow Testing indicator will be lit continuously for the Fill time as set above and then flash at 1 sec intervals for the duration of the Prove time. If at the end of this time the pressure in the outlet pipe work is sufficient then the red Gas on indicator will be lit and the gas will be supplied normally.

If at any time during the Proving cycle the pressure in the outlet pipework should drop to less than 80% of the inlet gas pressure the yellow Test fail indicator will be lit.

If the ventilation fails the Fan Operating indicator will flash for 10 sec and if ventilation is not resumed in this time the gas supply will be isolated.

In this event the key switch should be turned to the OFF position and a check should be made that all gas taps are closed and that the ventilation system is running. Once this is rectified testing can be restarted by turning the key switch to the ON position.

SAFETY

Installation must be by a qualified electrician and must meet all local regulations.

The mains supply should be externally fused at 3 amps.

REF: CAT 085/A

Black Teknigas and Electro Controls Limited

Colmworth Business Park, Eaton Socon, St Neots, Cambridgeshire, PE19 8YX

TEL: +44 (0)1480 407074 FAX: +44 (0)1480 407076

Email: sales@electrocontrols.co.uk www.electrocontrols.co.uk

All details are for guidance purposes only.
Black Teknigas and Electro Controls Limited reserve
the right to change the design of products without notice.