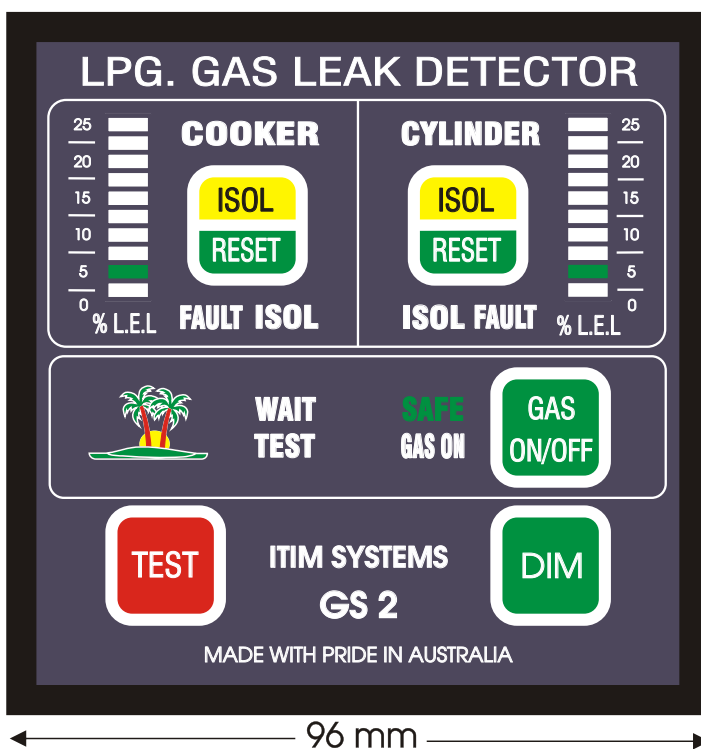


ACN No 010 471 897

GS 2 TWO CIRCUIT GAS LEAK DETECTION, ALARM & CONTROL SYSTEM

SYSTEM DESCRIPTION: The ITIM Systems GS-2 is a fully monitored Two Circuit Gas Detection, Alarm and Gas Control System with remote On/Off Gas control, bargraph display of % LEL, with audible and visual alarms and automatic gas shutoff when a gas leak is detected. Housed in a compact, flush mounted, display Module, it features sealed touch switch controls for greater reliability & LED backlit system status display for instantaneous status recognition.



OPERATION GS-2 When Power is first switched On to the GS-2 Gas Detection & alarm system, there will be a short **WAIT** delay while the sensors warm-up to operating temperature. The **SAFE** LED will illuminate when the system is operational, and detects a safe gas level at both sensors. Pressing the GAS On/Off switch will turn the Gas Solenoid Valve On at the cylinder ready for cooking. **GAS ON** LED illuminates. When cooking is complete, press the GAS On/Off switch again to turn the gas off.

If a gas leak is detected, **COOKER** or **CYLINDER** status will Flash to identify its source. The audible and visual alarms will latch On & the Gas Solenoid Valve will be latched Off. The LED bargraphs show the actual Gas % LEL at each sensor. To acknowledge & silence the alarm, press the ISOL/RESET switch once. To reset the alarm latches and return system to normal, press the ISOL/RESET switch again.

GAS SENSOR ASSEMBLIES. In a LPG cooker installation, one sensor should be mounted at floor level beneath the cooker and one at low level in the gas cylinder enclosure. If used to detect gas leaks with lighter-than-air gases such as Methane or Town Gas then the Gas Sensor assemblies should be mounted at a high level where gas could collect.

The gas sensing circuits are both continuously monitored for faults. If a fault develops in a gas sensor, or the sensor wiring, the appropriate **FAULT** status will illuminate, accompanied by a steady fault tone.

TEST. Pressing the TEST switch starts a test sequence to test all alarm and fault monitoring functions, including alarm latches and gas shutoff latches and isolate and reset functions.

GAS SOLENOID VALVE. The Gas Solenoid Valve is mounted on the gas cylinder before the regulator and is turned on and off by operation of the Gas On/Off switch.

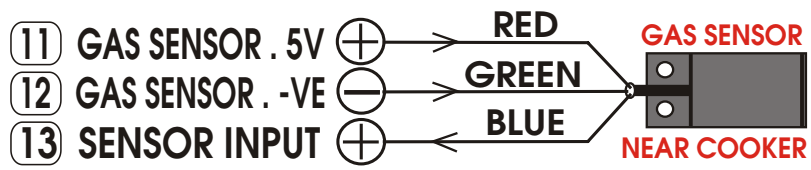
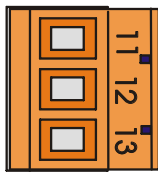
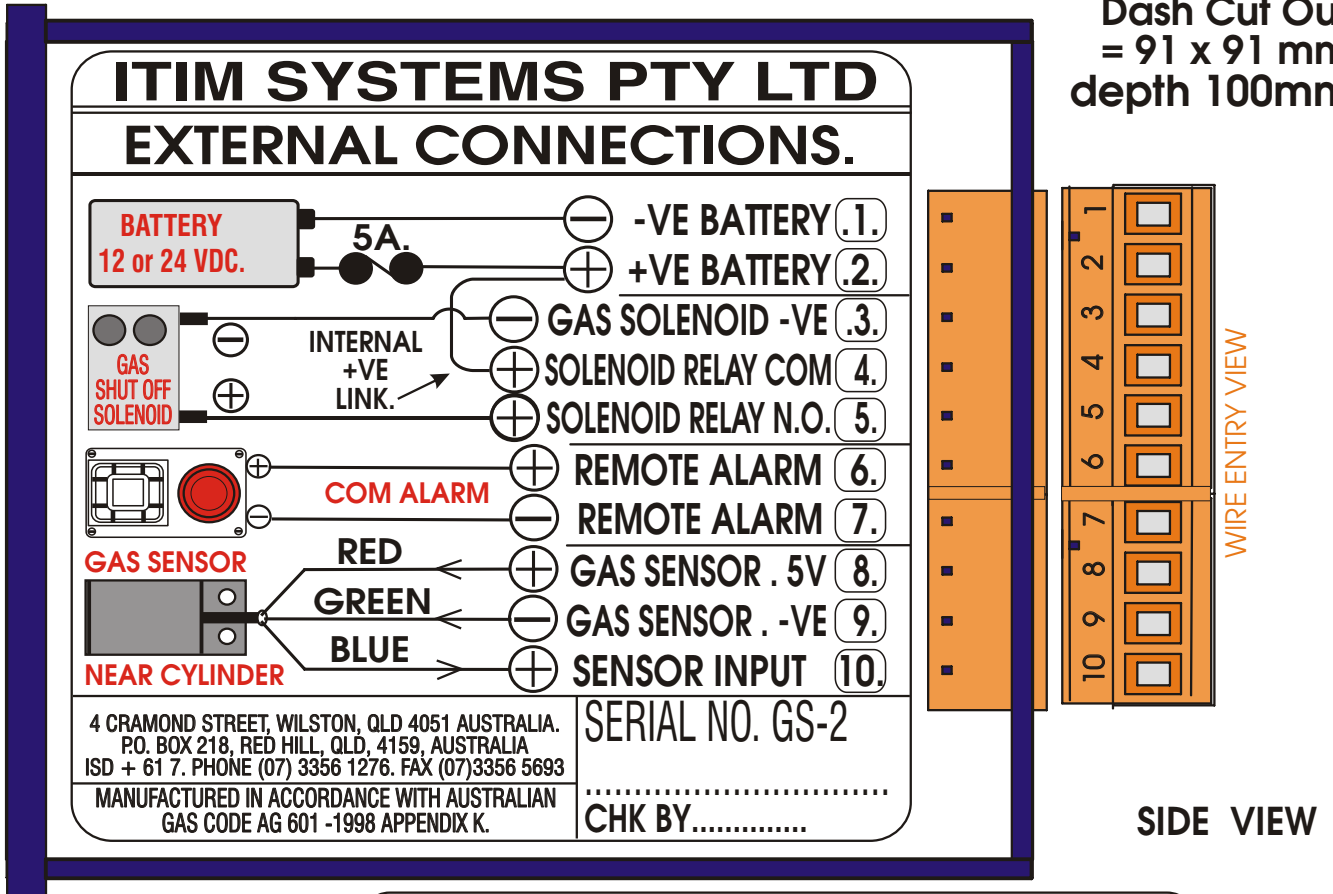
The system should be left in the **SAFE** operating condition.
 Manufactured with pride in Australia in accordance with AG 601-1998 appendix K.

GS-2 EXTERNAL CONNECTIONS

On the rear of the GS-2 gas detection alarm & control module there are 13 way plug-in terminals for connection of all external wiring circuits.

- Terminal 1 & 2 12 or 24 volt DC power supply
- Terminal 3 & 5 gas solenoid control valve
- Terminal 6 & 7 remote alarm output
- Terminal 8, 9 & 10 gas sensor to cylinder
- Terminal 11, 12 & 13 gas sensor to cooker (separate plug)

Dash Cut Out
= 91 x 91 mm
depth 100mm



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