

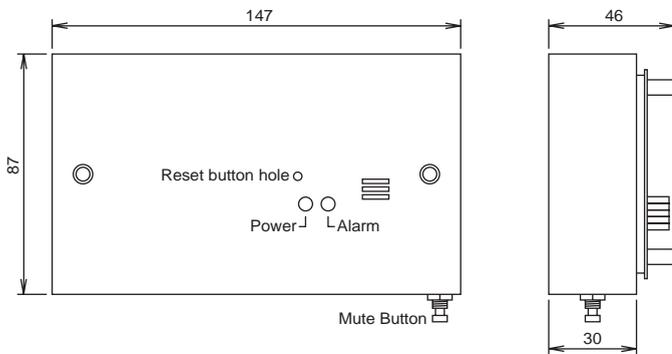
# GAS DETECTORS STAND ALONE

## E2..

<p>■ Suitable for detecting gas leaks to provide alarm and system shutdown in general commercial and industrial applications. Used for monitoring and ventilation applications. Models available to detect Natural Gas, LPG/Propane and Carbon Monoxide, Refrigerants/Halocarbons, etc.</p>	 <p style="text-align: center;">E2..</p>	<p>Do not expose to extreme ambient/media or oily/dirty conditions.</p> <p>Sensors are fitted with a filter for protection against minor dust/ dirt particles. A yearly operation check is recommended. Ambient : 0/+45°C 15-90% RH non-condensing.</p> <p>Enclosure: Metal - white laquer</p> <p>Double gang flush mounting. Surface mounting back box available.</p>
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Type	Gas	Mounting	Supply ± 15%	Power Consumption	2 x Volt Free Contacts 24V 1(0.5)A SPDT	Enclosure
<b>E2-NG</b>	Natural Gas	Flush	230VAC	6VA	Both C-NO contacts close at 5% LEL	IP20
<b>E2-LPG</b>	LPG/Propane	Flush	230VAC	6VA	Both C-NO contacts close at 5% LEL	IP20
<b>E2-CO</b>	Carbon Monoxide	Flush	230VAC	6VA	Both C-NO contacts close at 100 ppm	IP20
<b>E2-R134</b>	Refrigerant	Flush	230VAC	6VA	Both C-NO contacts close at 1000 ppm	IP20
<b>EE-BP8</b>	Surface mounting back box - double gang					
<b>OPTIONAL</b>	<b>L24</b> = 24VAC supply					

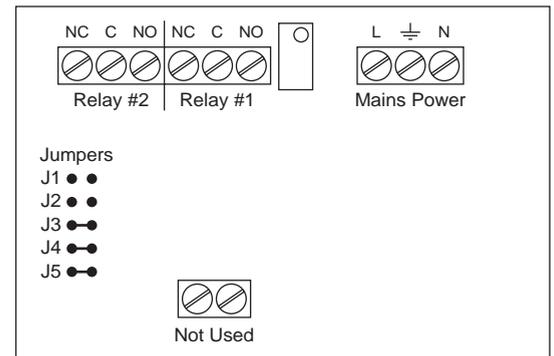
### DIMENSIONS:



### FEATURES:

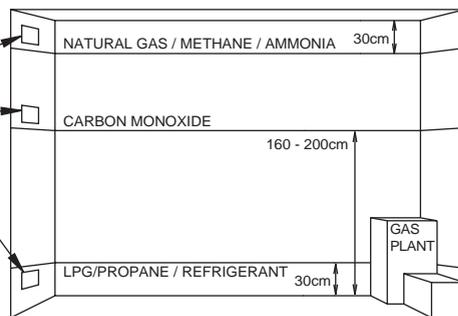
- LED indication.
- Internal buzzer (80dB at 1m) alarm with mute button. The buzzer can be disabled.

### WIRING:



### INSTALLATION:

The unit should be positioned at high/mid/low level depending on the density of the gas being detected.



### Jumper Settings (J1-J5):

- Time Delay:**  
 J1 & J2 off - No delay  
 J1 off & J2 on - 5 min delay  
 J1 on and J2 off - 10 min delay  
 J1 & J2 on - 15 min delay

- Reset Option:**  
 J3 on - Manual reset  
 J3 off - Automatic reset
- Buzzer Setting:**  
 J4 on - Sound  
 J4 off - No sound

Jumper J5 Not Used.

### OPERATION:

**Initial Start:** When the power is initially switched on the green LED will flash at 1 second intervals during a warm-up period of 5 minutes.

**Standby (Green LED):** After the warm-up period the green LED will remain on indicating that the power is on. Allow the unit to remain on for at least 2 hours before making any tests.

**Gas Detected:** The red LED and the internal buzzer will turn on. The C-NO contacts will close on both relays. If a time delay has been set via the link/jumper settings then the gas detection mode will be delayed accordingly to prevent nuisance switching.

**Buzzer & Red LED:** The buzzer can be muted by pressing the mute button on the exterior of the case. The red LED will remain on until the gas detected has cleared. If the buzzer is not required it can be disabled via the link/jumper settings.

**Gas Cleared:** When the gas has cleared the red LED will turn off. The unit can be reset by pressing the button via the hole on the front panel using a small non-metallic object. If auto reset is required this can be achieved via the link/jumper settings.

### TEST:

A small quantity of gas may be introduced to the sensor. The unit will operate according to the operation procedure, as above.

### MAINTENANCE:

Keep the Gas sensors energised. If disconnected, store in a dust free environment. If the sensing element becomes dirty in storage, the unit will generate false alarms when reconnected.  
 Upon installation or reconnection after a period of non-use, energise the sensor for at least 15 minutes.  
 Do not store or install in dusty dirty environments or areas of high solvent concentration.

### CAUTION:

These devices are suitable for a 230VAC or 24VAC supply depending on model. Observe all relevant safety precautions, wiring/earthing regulations and electrical ratings. Device should be checked by a qualified technician before applying any voltage. Observe precautions for handling electrostatic sensitive devices. Ensure electrical entry hole is completely sealed for all IP65/weatherproof models. Always ensure the device operates correctly. If failure of the device can cause damage a safety backup control should be fitted. All data is for guidance purposes only, subject to change without prior notice and not guaranteed to be absolutely correct unless confirmed by us in writing.

