



## FGT212CO

CO detector for domestic applications, alarm relay, 12-24 Vdc

### State of the art technology

The FGE200 series of gas detectors have been designed with the highest technology for the detection of explosive or toxic gases in domestic premises. The professional catalytic (pellistor) cells are excellent for the detection of methane and LPG gas, while the electrochemical cell is used for carbon monoxide. All units are microprocessor based.

### Installer friendly

The FGE200 gas detectors are offered with either 230 Vac mains or 12-24 Vdc power supply, and can be used for standalone operation or for connection to a control panel. The methane and LPG detectors have a pre-alarm warning at 5% LEL (lower explosion limit) and an alarm condition at 10% LEL. A relay output activates in the event of an alarm. All units have fault monitoring for the sensor and electronics, and an open collector watchdog output in the event of a microprocessor failure.

### Designed to life safety standards.

The methane and LPG detectors have been designed to fully comply with EN50194. The CO detector fulfils the requirements of EN50291 for domestic premises. The CO detector incorporates a time delay according to the ppm (parts per million) value detected. This means there is a 60 minute delay for 50 ppm of CO, 10 minutes delay for 100 ppm, and no delay for 300 ppm.



### Standard Features

- Especially designed for domestic applications
- Professional electrochemical sensor
- 12-24 Vdc operation
- Microprocessor operation
- Watchdog monitoring with open collector output
- Auto zeroing
- Test push button
- LED indicators
- Alarm delay according to CO concentration
- Alarm relay can be set to normally operated or normally deactivated
- Built in buzzer
- Conforms to EN50291

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## Specifications

<b>Detectable gas</b>	CO
<b>Sensing element</b>	Electrochemical
<b>Power supply</b>	12-24 Vdc
<b>Current consumption</b>	
@ 12 Vdc	160 mA
@ 24 Vdc	100 mA
<b>Alarm</b>	
50 ppm (parts per million)	after 60 minutes
100 ppm	after 10 minutes
> 300 ppm	Immediate
<b>Standard</b>	EN50291
<b>Alarm relay contact rating</b>	10A @ 250 Vac
<b>Watchdog open collector output</b>	40 mA
<b>Operating temperature</b>	-10 - +45 °C
<b>Storage temperature</b>	-20 - +60 °C
<b>Relative humidity</b>	15 - 90 %RH
<b>IP rating</b>	IP42
<b>Dimensions</b>	75mm w, 155mm h, 42mm d

## Ordering Information

Part No.	Description
FGT212CO	CO detector for domestic applications, alarm relay, 12-24 Vdc
FGT230CO	CO detector for domestic applications, alarm relay, 230 Vac
FGE212ME	Methane detector for domestic applications, alarm relay, 12-24 Vdc
FGE230ME	Methane detector for domestic applications, alarm relay, 230 Vac
FGE212LP	LPG detector for domestic applications, alarm relay, 12-24 Vdc
FGE230LP	LPG detector for domestic applications, alarm relay, 230 Vac



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