

## Features

- Toxic/Flammable/Refrigerant sensor combination
- Standard Unit 1 - 10 Sensors
- Four zone indicators
- Single cable for multiple sensors
- Individual Sensors with audible and visual warning alarms
- Sensors pre-set and tested
- Self diagnostic
- Pre and full alarm indication
- Two alarm relays
- Wall or panel mount
- Designed for ease of installation
- System easily extended
- Off the shelf system



## Application

The EF 202 gas leak detection system features a main control unit connected to remote sensors via a single 3 core cable. The control unit is of an advanced design using the latest technology and provides a high integrity system whilst enabling a significant cost saving over conventional gas alarm systems.

Standard sensors for use in commercial and light industrial applications such as laboratories, workshops, boiler plant rooms etc are available for monitoring toxic, flammable or refrigerant gases. Each sensor incorporates a status LED and alarm sounder. Sensor types may be mixed and up to 10 in number for the standard control unit, or up to 20 when used with an optional auxiliary power pack. Alternatively sensors may be used separately without a control unit providing they are powered by a 12 or 24volt DC supply.

## Operation

On power up, the green power indicator will flash for 3 minutes indicating that the sensors are stabilising, during this period all alarm functions are held in the off condition. After the stabilisation period, any sensor detecting gas will provide a local visual (red LED) and audible alarm, at the same time transmitting a signal to the control unit where a pre alarm is indicated by an intermittent audible alarm, with the red zone alarm LED flashing and the pre alarm relay changing state. Should the gas surrounding the sensor clear within 45 seconds the system will return to the normal operating condition. However, if the gas remains for longer than 45 seconds, full alarm condition will occur and be indicated by the red alarm LED and sounder going constant as well as the full alarm relay activating.

The audible alarm may be silenced at any time but full alarm indication will be latched until the gas has cleared after which the system may be reset by pressing the reset pad.

## Construction

**Control Unit** - A two-part screw together polycarbonate enclosure houses the power supply alarm indicators, control functions and alarm relays. The enclosure may be wall or panel mounted having cable entry from the rear, bottom, top or sides.

**Standard Sensors** - Two-part push together plastic enclosure that may be surface mounted using two fixing points or attached directly to a standard conduit box, cable entry is from the rear.

**Hazardous area and special gas sensor** - see data sheet C389.

