

Combi 16 Direct has been designed to operate in the full range of environments from commercial premises through to heavy industrial applications which may require hazardous area sensing.

Typical monitor locations are - public buildings, car parks, tunnels, breweries, boiler plant rooms, water treatment works, H&V control, manufacturing, process plants, horticulture, hotels, offices.

Each gas sensor continuously monitors the atmosphere reporting any hazardous conditions to the control unit for display by the alpha numeric screen indicating the reporting sensor, gas type, concentration and alarm status. Alarm levels that are exceeded will automatically activate a variety of signal outputs including analogue/digital data and user selectable relays. The Combi 16-Direct system operates on a 2/3 core cable system, each sensor being wired directly to the control unit. Eight of the above sensors will accept mV catalytic detectors by the use of plug in modules 007-201.

Larger systems can be achieved using multiple combi units housed in a 19" rack based system or having a network controller supervising up to 16 Combi units



Key Features

- Network up to 16 controllers enabling up to 256 direct sensors
- Parameter set-up via PC or front panel
- 3 alarm levels with time to alarm option
- Automatic safety check diagnostics/system surveillance

SPECIFICATIONS

| | |
|---|---|
| Size | 1 315W x 265H x 95D • Combi panel |
| Temperature | -10 to +50°C |
| Measurements | Combustible gas: LEL., %vol Toxic gas: ppm, %vol Oxygen: %vol (depletion/enrichment) Refrigerant: ppm (Any 4~20mA transmitter) |
| Sensor Options | 1~16 direct 4~20mA inputs |
| Alarm Type | Dot matrix LCD 4 line 40 character indicating sensor location, gas type (rising or falling alarms), alarm status, system fault, sensor line fault, sensor fault, inhibit, real time clock, event memory Red LED – global alarm Amber LED – global fault Amber LED – inhibit 1-16 direct 4~20mA sensors - 2/3 wire 1-8 plug in direct catalytic sensor modules |
| Alarm Signal | Visual: LED Acoustic: Alarm/Fault, permanent mute option |
| Power Supply | 230/115v AC or 24v DC ±15% Control unit 7.5w quiescent 17w full alarm |
| Sensor – 1.25w Sensor Cable - Addressable Direct | 2/3 core (1.5mm ² screened max length 1km) |
| Outputs | 8 user selectable zone/voting with NE/ND option and delay to de-energise Relay contacts: 2 D.P.C.O / 6 S.P.C.O. Rated @ 5A-230v AC Factory set : 1 common low alarm D.P.C.O or group 1 1 common high alarm D.P.C.O or group 2 1 common overrange S.P.C.O or group 3 1 common fault alarm S.P.C.O or group 4 4 user selectable S.P.C.O groups 5 to 8 General alarm relay • resettable S.P.C.O. for sounders only RS232 data log, event log, Modbus, RS485 Individual sensor logging, intervals 1-60 mins storage readings 2880 |
| IP-Rating | Control unit: IP52 / Wall mount (Optional) overhousing: IP65 |
| Miscellaneous | Enclosure cable entry bottom, rear, top Remote reset/mute |

