

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 64-Addressable system operates on a 4-core cable network and has the capacity to monitor up to 64 addressable sensors.

Larger systems offering up to 1024 sensors 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.

The Combi 64 is supplied ready to use with pre-calibrated gas sensors and provides for additional sensors that can be easily added to any point of the network.



## Key Features

- 1 to 64 addressable sensors
- Network up to 16 controllers enabling up to 1024 addressable sensors
- Single 4 core cable sensor network
- Parameter set-up via PC or front panel
- 3 alarm levels with time to alarm option
- Automatic safety check diagnostics/system surveillance

## SPECIFICATION

<b>Sensor points</b>	1~64 addressable – CANbus
<b>Measurements</b>	Combustible gas – L.E.L., % vol Toxic gas – ppm, % vol Oxygen – % vol – depletion/enrichment Refrigerant – ppm Any 4~20mA transmitter
<b>Indicators</b>	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
<b>Outputs</b>	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
<b>Audible alarm</b>	Alarm/Fault – permanent mute option
<b>Power</b>	230/115v AC or 24v DC ±15% Control unit 7.5w quiescent 17w full alarm Sensor – 1.25w Internal power supply: 35 sensors max. 36+ sensors - 11A/24vDC Auxiliary Power Pack required C1541/C1293
<b>Sensor Cable</b>	Main network – 4 core (2 power - 2 comms) 1.5mm2 screened max length 1km Optional signal booster per additional 1km
<b>Miscellaneous</b>	Enclosure cable entry – bottom, rear, top Remote reset/mute

<b>Environmental</b>	Control unit – IP52 – wall mount Optional overhousing – IP65 Operating temperature: -10 to +50°C
<b>Dimensions</b>	315(W) x 265(H) x 95(D) – Combi panel 315(W) x 265(H) x 95(D) – Auxiliary power pack

