

# APPLICATION DATA SHEET

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**OLIVER IGD**

## TOCSIN 900 Detector Control Panel

- Wall mounting or 19" Rack
- 110/230vAC operation
- Software Assignable Volt free contact outputs
- Graphics LCD display showing gas concentration
- Control up to 255 serially addressable detectors
- Optional additional output cards
- Easy installation
- Modbus Output Option



## Control up to 255 Addressable Gas Detectors

The Tocsin 900 provides ultimate system flexibility for larger gas detection systems up to 255 detectors in size. The Tocsin 900 control panel is compatible with the Tocsin 102A and 902 range of Toxic Flammable and Oxygen detectors and transmitters. To compliment the system a range of accessories, calibration sets and audio visual alarms are available. Full control through the system software is available to group, zone or vote detectors. Detectors can be calibrated and interrogated from the control panel. Assign tags to sensors and set rising, falling, latching or non-latching alarms. Eight RS485 ports allow configuration of eight single ended cable runs of up to 32 sensors or four double ended loops for greater cabling integrity.

## Specification

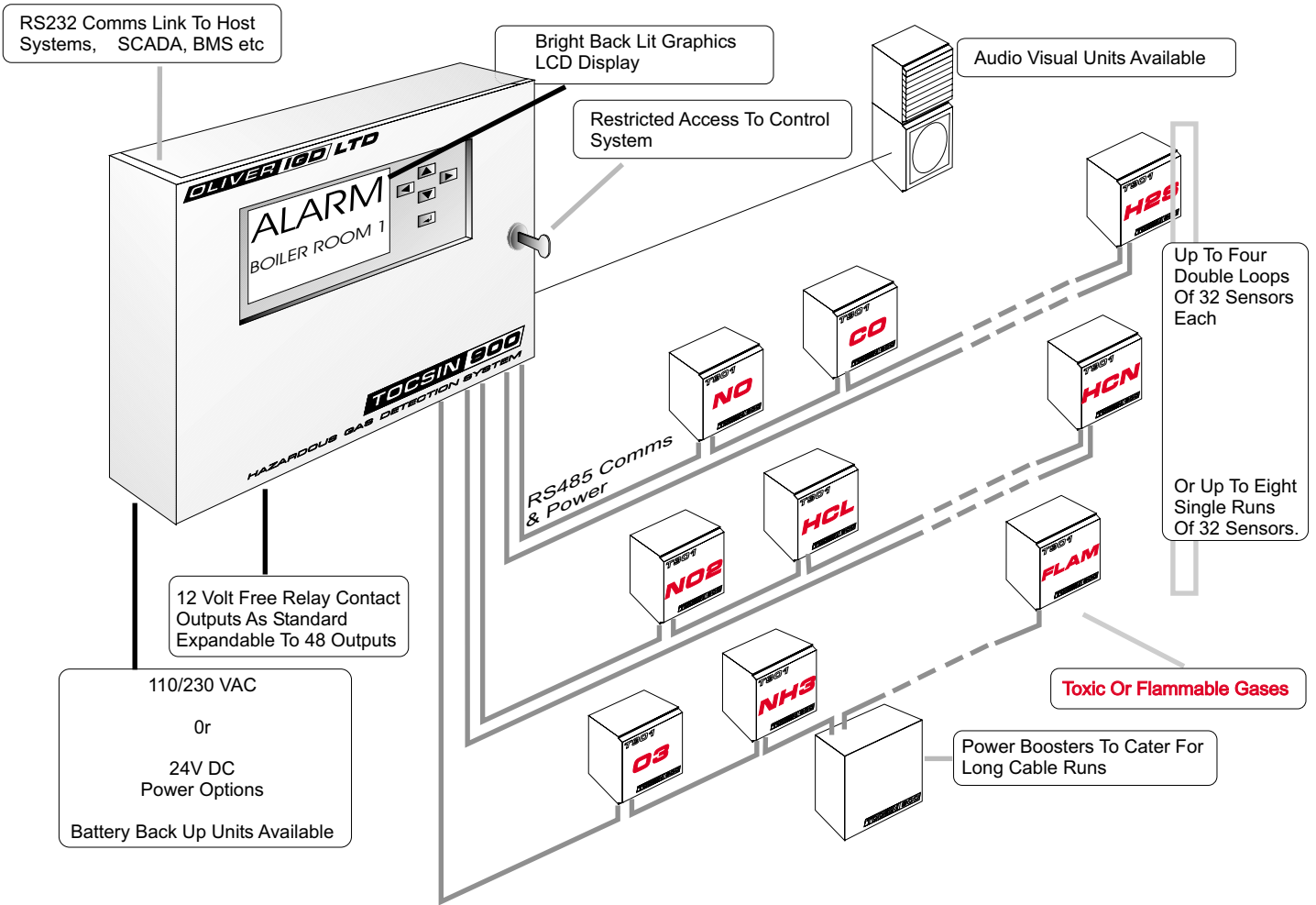
|                       |  |
|-----------------------|--|
| Power Source          | 100 to 260 vAC   |
| Power Consumption     | 200 Watts (system dependant)   |
| Display               | 240 x 128 backlight LCD  |
| Operating Temperature | 0°C to 50°C  |
| Operating Humidity    | 5 to 95% non-condensing  |
| Accuracy              | Sensor dependant   |
| Resolution            | 0.00% 0.00ppm Dependant on Sensor Type   |
| Update Rate           | 1 Second   |
| Size (mm)             | 333 (H) x 400 (W) x 110 (D) Wall Mounting Version<br>3U Height Rack Mounting Version |
| Inputs                | Up to 8 x RS485 loops  |
| Outputs (Standard)    | 12 x configurable SPCO relays (7A non conductive load)                               |
|                       | 1 x RS232 Comms Link   |
| Outputs (Optional)    | 16 x configurable SPCO relays  |
|                       | Modbus Protocol  |
| CE Declaration        | EN50081-2: 1994  |
|                       | EN50082-2: 1995  |
|                       | EN61010-1: 2001  |

## Sensors Options For

Flammable Gases  
Carbon Dioxide  
Carbon Monoxide  
Nitric Oxide  
Nitrogen Dioxide  
Hydrogen Cyanide  
Chlorine  
Hydrogen Sulphide  
Ammonia  
Oxygen  
Sulphur Dioxide  
Hydrogen Chloride

# TOCSIN 900

## Detector Control Panel



19" Rack Mount Format P/N 5124801



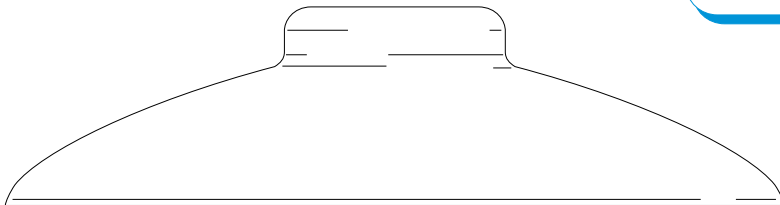
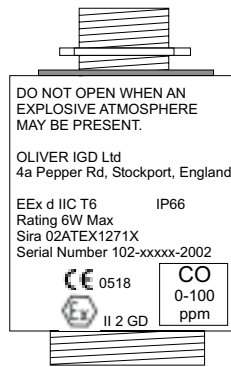
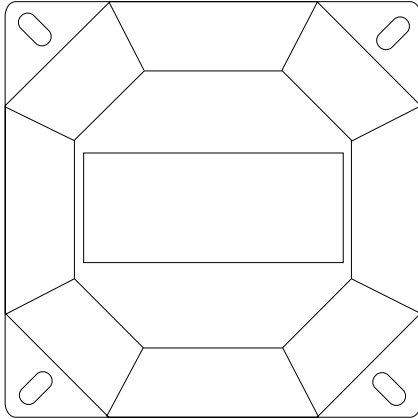
Wall Mount Format P/N 5093401

# TOCSIN 900

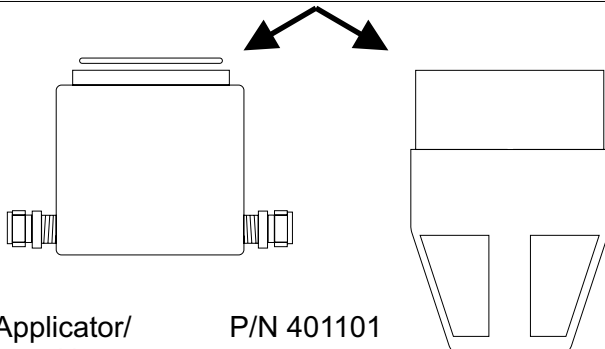
## SENSOR OPTIONS & ACCESSORIES

### USING TOCSIN 102 SERIES DETECTORS

Addressable Gas Detectors Are Supplied With A Junction Box



Collector Cone P/N 401061



Test Gas Applicator/  
Flow Adaptor. Note  
Fittings For 1/4" Tube

P/N 401101

Available Tocsin 102 Gas Detectors  
(See Tocsin 102 Data Sheet For Full Details)

|                                 |          |
|---------------------------------|----------|
| Flammable Gas MK3 Sensor 4-20mA | 5108601A |
| Flammable Gases Infra-Red Point | 5107901A |
| Carbon Dioxide Infra-Red Point  | 5112701A |
| Carbon Monoxide                 | 5107101A |
| Nitric Oxide                    | 5106801A |
| Nitrogen Dioxide                | 5106301A |
| Hydrogen Cyanide                | 5107201A |
| Chlorine                        | 5106601A |
| Hydrogen Sulphide               | 5106501A |
| Ammonia                         | 5107001A |
| Oxygen                          | 5106701A |
| Sulphur Dioxide                 | 5106401A |
| Hydrogen Chloride               | 5106101A |

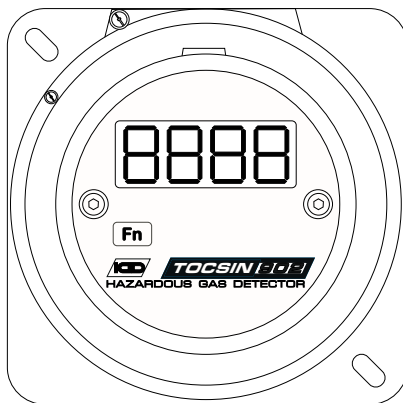
For Requirements Not Listed Above Contact Sales

Weather Protection Assembly  
And Test Gas Applicator P/N 401451

# TOCSIN 900

## SENSOR OPTIONS & ACCESSORIES

### USING TOCSIN 902 SERIES TRANSMITTERS



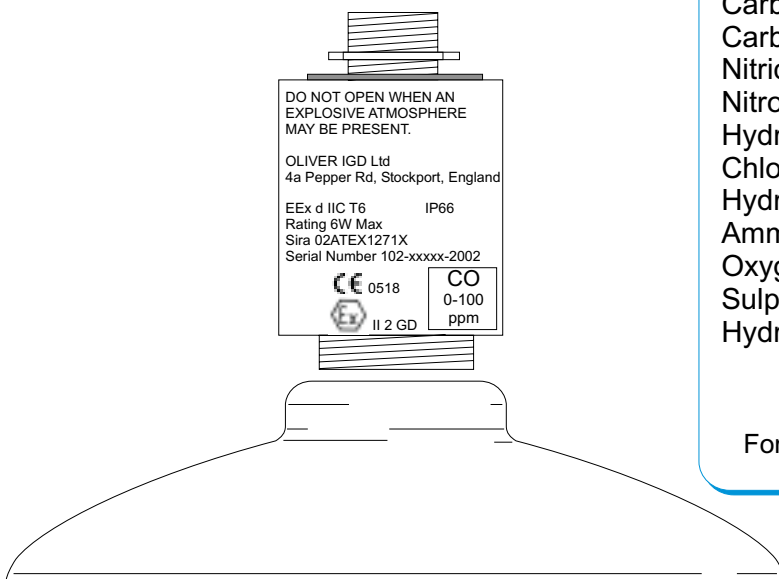
Tocsin 902 is supplied with its gas detector fitted and calibrated see the table below.

For full sensor information please refer to the Tocsin 102 or MKIII data sheet.

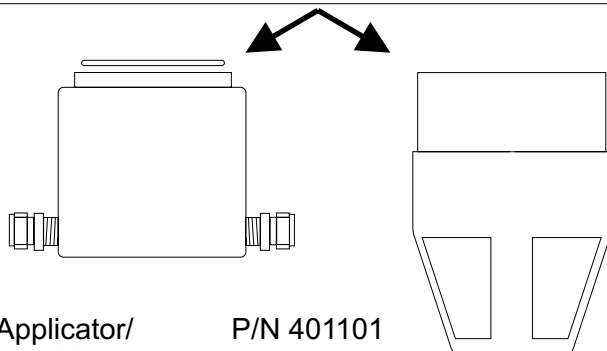
#### Available Tocsin 902 Gas Detectors

|                                 |         |
|---------------------------------|---------|
| Flammable Gas MK3 Sensor 4-20mA | 5111601 |
| Flammable Gases Infra-Red Point | 5112501 |
| Carbon Dioxide Infra-Red Point  | 5112601 |
| Carbon Monoxide                 | 5111701 |
| Nitric Oxide                    | 5111901 |
| Nitrogen Dioxide                | 5112701 |
| Hydrogen Cyanide                | 5112101 |
| Chlorine (Safe Area)            | 5112401 |
| Hydrogen Sulphide               | 5112001 |
| Ammonia                         | 5112301 |
| Oxygen                          | 5111801 |
| Sulphur Dioxide                 | 5112201 |
| Hydrogen Chloride               | 5112801 |

For Requirements Not Listed Above Contact Sales



Collector Cone P/N 401061



Test Gas Applicator/  
Flow Adaptor. Note  
Fittings For 1/4" Tube

P/N 401101

Weather Protection Assembly  
And Test Gas Applicator P/N 401451

For Compatible Oliver IGD Control Panels See:

The Tocsin 700 One to Sixteen Channel Controller  
The Tocsin 900 Addressable System Controller  
The Tocsin 800 19" Rack System