

# APPLICATION DATA SHEET

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**OLIVER IGD**

Control Systems

Transmitters

Sensors

Accessories



## TOCSIN 700 Detector Control Panel

- Wall mounting
- 24V DC or 110/230vAC operation
- 24V Independent Audio/Visual Alarm driver
- Volt free contact outputs
- Digital display showing gas concentration
- Serially addressable detector options
- Battery backup options
- Optional additional input/output cards
- Easy installation
- Modbus Output Option

The Tocsin 700 provides ultimate system flexibility for small gas detection systems up to 16 detectors in size. The Tocsin 700 control panel is compatible with the Tocsin 102, 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.

### Specification

Power Source	85 to 260 VAC ( 18 to 30 VDC Option)
Power Consumption	40 Watts
Display	2 x 16 backlight LCD
Operating Temperature	0°C to 50°C
Operating Humidity	Up to 95% non-condensing
Resolution	0.00% or ppm Range Dependant
Update Rate	1 Second
Size (mm)	255 (H) x 265 (W) x 100 (D)
Inputs	Up to 4 or up to 8 x 4-20mA loops
Inputs (Optional)	Additional 8 analogue 4-20mA loops 1 x RS485 detector data highway for up to 16 detectors
Outputs (Standard)	3 x configurable SPCO relays (7 Amp non conductive load) 1 x fault SPCO relays (7 Amp non conductive load) 1 x solid state audio/sounder 24VDC 1 x solid state visual/flasher 24VDC
Outputs (Optional)	16 x configurable SPCO relays (7 Amp non conductive load)
Optional Equipment	Battery backup module 7AH 255 (H) x 265 (W) x 100 (D)
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

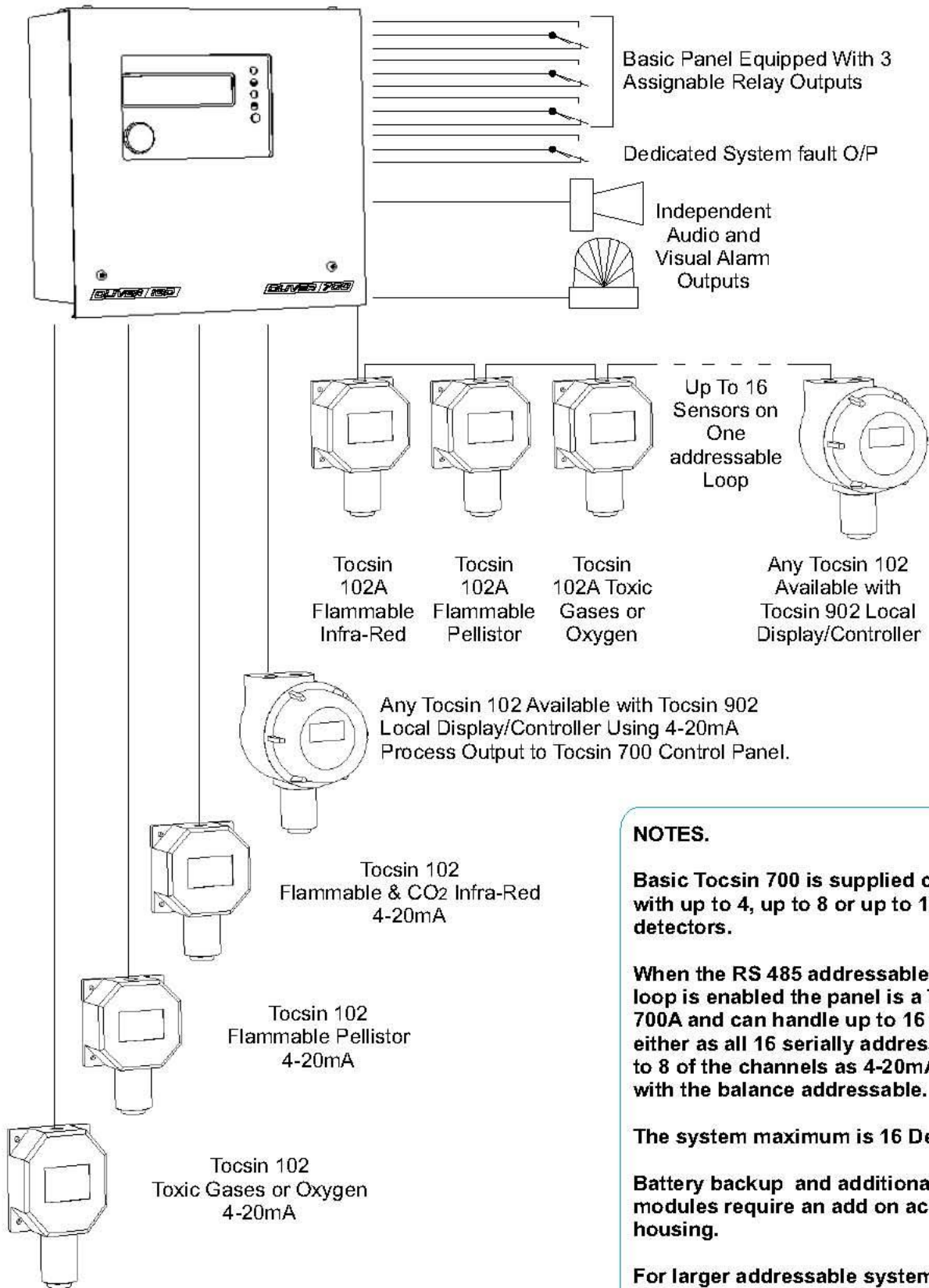
W I T H U S

대전시 대덕구 대화동 289-1  
산업용재 유통단지 11-112

TEL: 042-670-7840  
FAX: 042-670-7848

# TOCSIN 700

## Detector Control Panel



### NOTES.

**Basic Tocsin 700 is supplied configured with up to 4, up to 8 or up to 16 detectors.**

**When the RS 485 addressable detector loop is enabled the panel is a Tocsin 700A and can handle up to 16 detectors either as all 16 serially addressable or up to 8 of the channels as 4-20mA analogue with the balance addressable.**

**The system maximum is 16 Detectors.**

**Battery backup and additional I/O modules require an add on accessory housing.**

**For larger addressable systems see the Tocsin 900.**

# W I T H U S

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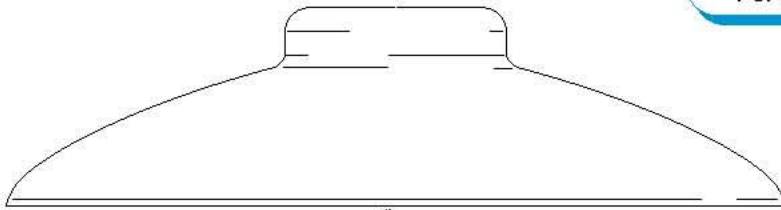
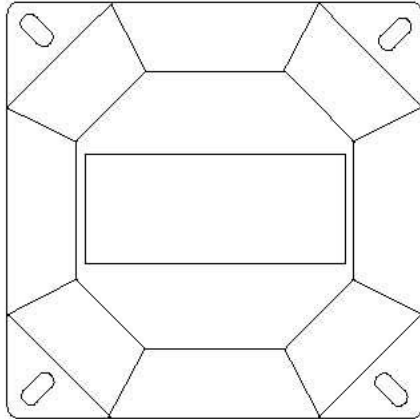
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# TOCSIN 700

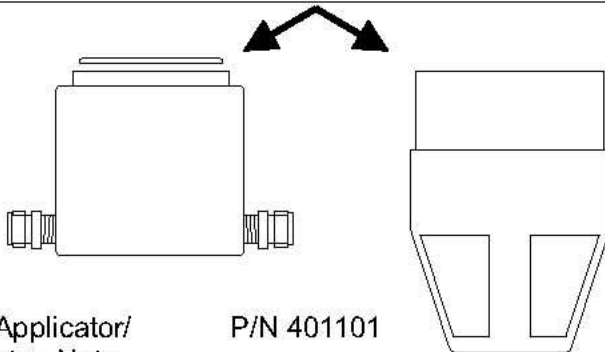
## SENSOR OPTIONS & ACCESSORIES

### USING TOCSIN 102 SERIES DETECTORS

Standard Junction Box P/N 5045801



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

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

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

Add Suffix 'A' to Part Numbers To Order an  
Addressable Gas Detector  
For Requirements Not Listed Above Contact Sales

## W I T H U S

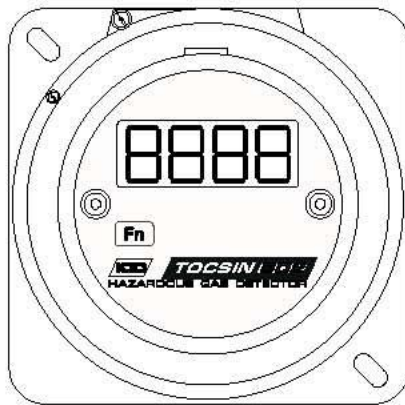
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# TOCSIN 700

## SENSOR OPTIONS & ACCESSORIES

### USING TOCSIN 902 SERIES TRANSMITTERS



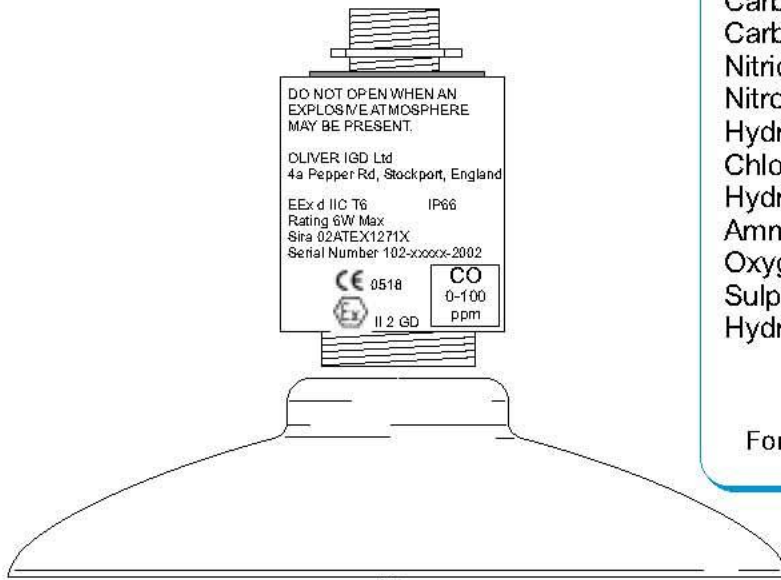
Tocsin 902 is supplied with its gas detector fitted and calibrated see the table below.

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

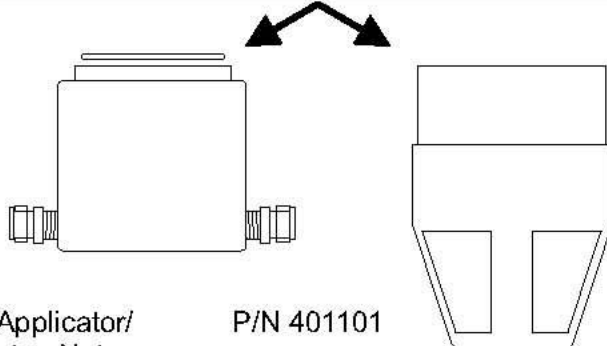
#### Available Tocsin 902 Gas Detectors

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

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