OLIVER IGD

DATA SHEET

TOCSIN 900 MULTI CHANNEL ADDRESSABLE HAZARDOUS GAS MONITOR CONTROL UNIT

Designed to provide a cost effective solution for gas monitoring applications requiring a large number of monitor points the Tocsin 900 is the latest development from IGD to join the established Tocsin monitor range.

The Tocsin 900 can be connected to and address up 256 gas monitors via 8 RS485 links. This greatly reduces system installation costs with up to 32 sensors daisy chained on one cable run in place of the more traditional one sensor per cable approach.The system uses an embedded software control system to continuously monitor for any gas hazard. The operating system allows for a flexible configuration of the sensors for alarm level control and zoning and voting for the sensors. Twelve output relays are fitted as standard and can be software configured. An external RS232 port can be enabled to allow communication to a host system.

A full range of addressable sensors are available to connect to the Tocsin 900 control system.

SPECIFICATION

Power Supply	100-240V AC
	50-60Hz
	7A (Dependant On Connected Sensors)
Temperature	0 - 50°C
Humidity	5 - 95% RH Non Condensing
Accuracy	Sensor Dependant
Resolution	Sensor Dependant
Outputs	8 Off RS485 Sensor Loops
	12 Off SPCO Relays
	7A @ 240VAC Resistive
	1 Off RS232 Comms Link
Display	240 x 128 Backlit Graphics LCD
Response Time	T90 = 2.5s
Size	W=440 x L=333 x H=110mm
Weight	9.3 Kg

FEATURES

Software Controlled

Software upgradable via serial port

Software fault detection and recovery

Digital transducer Filter (to remove noise)

Alarms Include spike / noise rejection algorithm

Under voltage detection and recovery

One Man Calibration

Full Pellistor fault detection - Compensator/Detector short/open

No Manual Potentiometers - All calibrations and set-up stored digitally

Set-up and Calibrations password protected

Diagnostic Information

Fully controllable via serial port - Gas values, Diagnostics, Calibrations, Set-up

Configurable alarms - Rising / Falling / Latching / Non-Latching, In/Out of Band, Zoning and Voting.

Trend Data Stored In Non-Volatile Memory

Up to 256 Sensors arranged on 8 RS485 Loops, 32 Sensors to a loop.

User Programmable Names For Sensors And Alarm Groups etc.

Oliver IGD Limited reserve the right to ammend specifications without prior notice

Ref T900-1.PDF