

PRODUCT DATA SHEET

www.internationalgasdetectors.com

OLIVER IGD

Control Systems

Transmitters

Sensors

Accessories



Automatic System Setup Feature
Fast, Effective and Safe
Simple and Efficient

TOC 625 MICRO

Fast, Effective Gas Detection System Controller

TOC-625 is a multi-channel detector controller in an easily installed and implemented small format package. The system can be used with any of the Tocsin Addressable range detectors or I/O modules providing maximum flexibility.

625 Micro has a unique Auto Setup Function.

- ➔ Run FIND Function at Startup
- ➔ TOC-625 Automatically Finds Connected Devices
- ➔ Detected Devices are Automatically Installed
- ➔ Alarm Levels and Outputs are Automatically Set



Features

Auto Setup Function

Wall or Panel Mounting

Relay Outputs as Standard

4-20mA Outputs as Standard

Control up to 8 Devices as Gas Detectors or I/O Modules

LCD Display With Multi Colour Backlight, Flashes Red on Alarm, Flashes Yellow on Fault etc

Detector Options for Flammables, Carbon Monoxide, Carbon Dioxide, Chlorine and Oxygen

Standard Specifications

Power 24V DC

Construction ABS

Display 2 Lines x 8 Digit LCD Display
Multi-Colour Backlight (Red-Alarm, Yellow-Fault, Blue-Normal)

Outputs 2 off SPCO Relays 4A Non-Inductive
User Configurable
3 off 4-20mA Linear Outputs
User Configurable

Other I/O Sounder 80dB @ 100mm (Mutable)

Inputs 8 off Addressable Series Detectors or I/O Modules

Temperature -5 to 55 Deg C

Humidity 0-95% RH Non-Condensing

Sealing IP54

Mounting Wall Mount

Weight 150g



OLIVER IGD

Triton House
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SK2 6SH
England

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Fax: +44 (0) 161 484 2345
Email: sales@internationalgasdetectors.com
Website: www.internationalgasdetectors.com



FS646773
REF: ROS625-M-G

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EC Declaration of Conformity

Issuers name and address:

Oliver IGD Limited of
Triton Hous,
Crosby Street,
Stockport,
Sk2 6SH
England



Declares that the product listed as:

TOC-625 Micro

Single or Multi-Channel Detector Control Panel

Are in conformity with the provisions of the following European Directive(s) when installed, operated, serviced and maintained in accordance with the installation and operating instructions contained in the product documentation.

2004/108/EC **EMC Directive**
2014/34/EU **Low Voltage Equipment Directive** (note not applicable to 24V DC Powered Versions)

And that the standards and/or technical specifications referenced below have been applied or considered.

EN 60079-29-1:2016 Explosive atmospheres. Gas detectors. Performance requirements of detectors for flammable gases *conforms to*

EN 50271:2018 Electrical apparatus for the detection and measurement of combustible gases, toxic gases or Oxygen: requirements and tests for apparatus using software and or digital technologies. *Excluding requirements for SIL*

EN 61000-6-2: 2005 EMC Generic standards. Immunity for industrial environments
EN 61000-6-4: 2007 EMC Generic standards. Emission standard for industrial environments
EN 61000-3-2/A2:2009 EMC Limits. Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)
EN 61000-3-3: 2008 EMC Limits. Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase

Technical File Reference T625-TF9

Product Markings **CE** **TOC-625-MICRO** *SI-serial number*

Oliver IGD Limited Operate and Independently assessed ATEX/IECEX QAN.

Oliver IGD Limited operate an independently assessed ISO9001:2015 Quality Management System.

Testing Agency:

TUV - SUD
Octagon House
Concorde Way
PO 15 5RL
Fareham



Quality Assurance Certificate Number
ExVeritas 16PQAN0014

Quality Management Certificate Number
FS 646773

Quality Assurance Notification Number:
2585

ExVeritas,
Units 16-18,
Abenbury Way,
Wrexham Industrial Estate,
Wrexham, UK, LL13 9UZ

BSI Assurance UK LTD,
Chiswick High Road,
London
W4 4AL
UK

Mehr Sicherheit.
Mehr Wert.

TUV Certificates and reports can be checked on-line at https://www.tuev-sued.de/industry_and_consumer_products/certificates

Issued on: 27th Nov 2018

At Oliver IGD Limited, Stockport, SK2 6SH, United Kingdom

Signature:

Declaration of Conformity in accordance with EN ISO/IEC 17050-1:2010

Name

Andrew J Collier M.I.O.D

Position: Managing Director

Date: 27th Nov 2018

Declaration Ref: TOC-625-M-DEC-3



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CH₄ H₂S CO₂
NH₃ NO₂ SO₂



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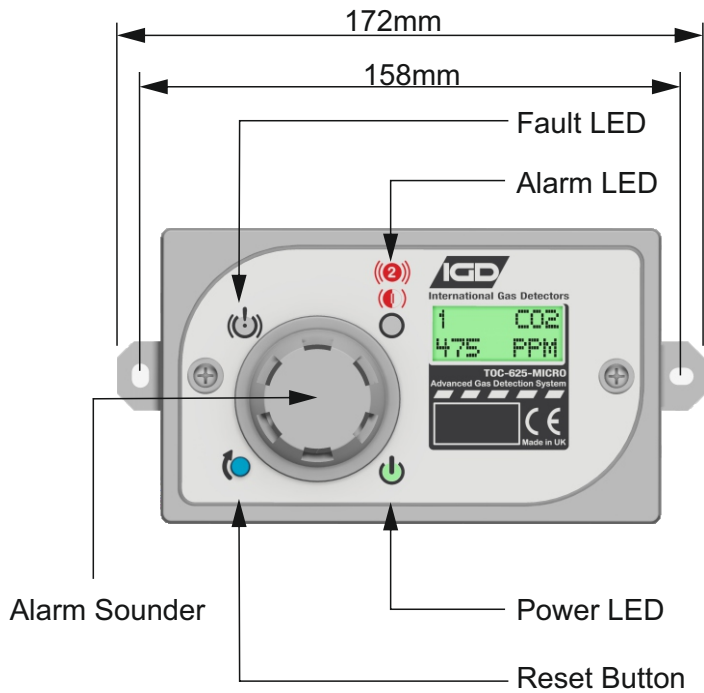
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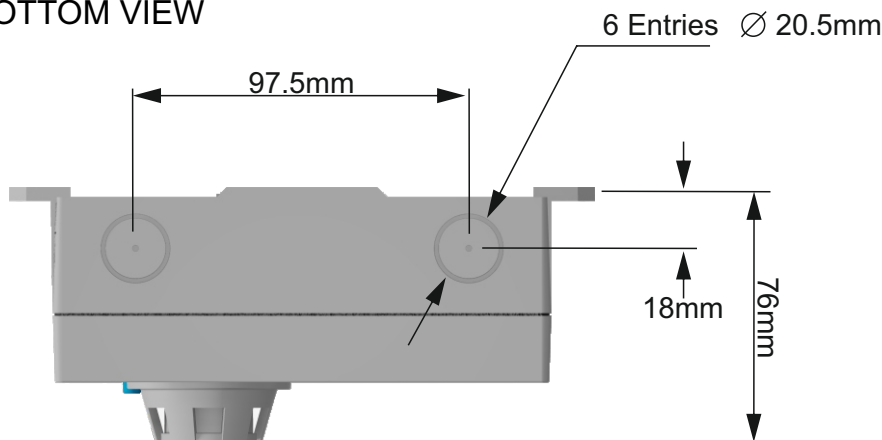
FRONT VIEW



SIDE VIEW



TOP/BOTTOM VIEW



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Auto Setup Table

Gas	Outputs	Range	Type	Alarm 1 / Relay 1	Alarm 2 / Relay 2
Flammables		0-100% LEL	Rising - Latching	10% LEL	20% LEL
Carbon Monoxide		0-100ppm	Rising - Latching	20ppm	55ppm
Carbon Dioxide		0-5000ppm	Rising - Latching	3500ppm	4500ppm
Carbon Dioxide		0-5%	Rising - Latching	0.5%	1.5%
Chlorine		0-5ppm	Rising - Latching	0.2ppm	0.5ppm
Oxygen		0-25%	Falling - Latching	19.5%	18.5%
Hydrogen Sulphide		0-50ppm	Rising - Latching	5ppm	10ppm

Relay 1 and Relay 2 on the TOC-625-Micro are set to be normally energised, de-energising on alarm or power failure.

The TOC-625-Micro can FIND up to 8 devices. These can be any mix of gas detectors and output nodes

The TOC-625-Micro can FIND up to 2 relay output nodes. Relay nodes supplied with TOC-625-Micro need to be addressed as follows and will operate according to the following table.

Relays Active on First Alarm	Output Node 1		Output Node 2	
	Relay 1	Relay 2 Mutable	Relay 1	Relay 2 Mutable
Node Relay Address	4201	4202	4203	4204

Note that mutable relays re-energise on second alarm.



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NO NO₂ SO₂



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