Stand-Alone Gas Detector

TOC-750B Series

/IGD

Detectably Better

IGD

10-Year Warranty*

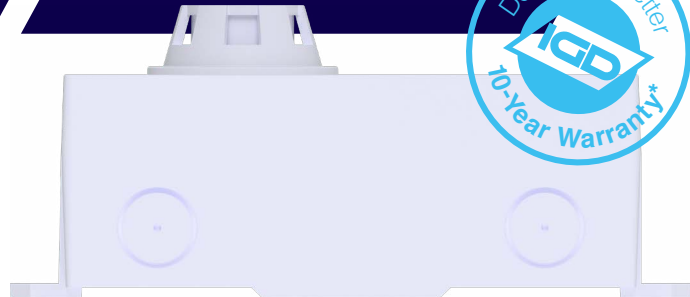▶ **TOC-750B**

- Simple to install pre-calibrated detectors.
- Easy output with a 24VDC output on AL1 for operation of beacon sounders up to 100mA.
- Simple site integration requirements with relay output for existing systems such as valves, ventilation.
- Guaranteed quality designed and manufactured in-house with more than a century of expertise
- Total peace of mind with our 10-year warranty on electronics
- All compliance supported by 3rd party certification.
- Optional remote reset button for flammable latched alarms.

▶ **TOC-750BAV**

All of the above, plus:
- Clear, onboard audio and visual alerts

▶ **TOC-750BR**

All of the above, plus:
- Pre-wired beacon sounder for louder and clearer, remote visual alerts.

Stand-Alone Gas Detector

Order Codes

Gas	Range	TOC-750B	TOC-750BAV	TOC-750BR
Chlorine	0-10ppm	TOC-750B-CL2	TOC-750BAV-CL2	TOC-750BR-CL2
Carbon Monoxide	0-100ppm	TOC-750B-CO	TOC-750BAV-CO	TOC-750BR-CO
Carbon Dioxide	0-5% VOL	TOC-750B-CO2	TOC-750BAV-CO2	TOC-750BR-LCO2
Hydrogen Fluoride	0-10ppm	TOC-750B-HF	TOC-750BAV-HF	TOC-750BR-HF
Flammables	0-100% LEL	TOC-750B-MK7	TOC-750BAV-FL	TOC-750BR-MK7
Nitrogen Dioxide	0-5ppm	TOC-750B-NO2	TOC-750BAV-NO2	-
Oxygen	0-25% VOL	TOC-750B-O2	TOC-750BAV-O2	TOC-750BR-O2

TOC-750B Series

Simple problems require simple solutions. That's
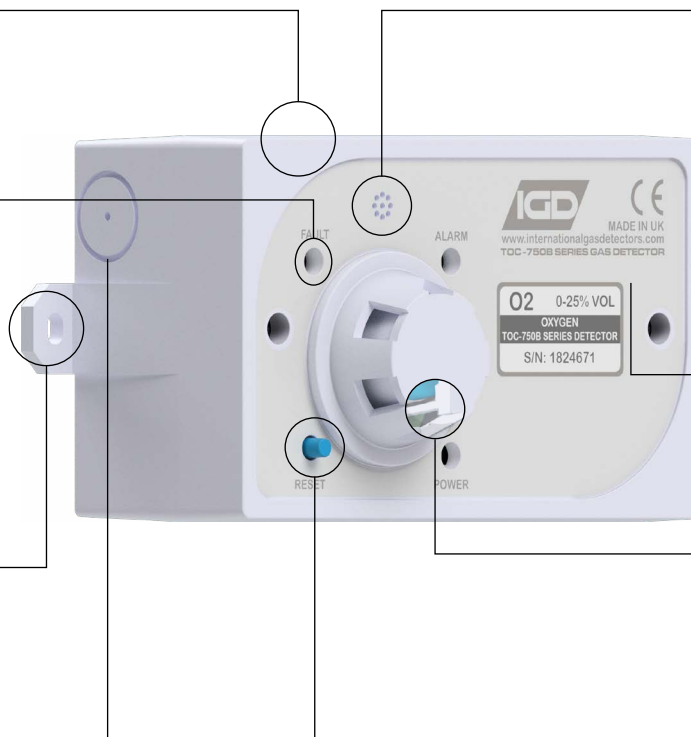why we designed the TOC-750B line of detectors.

IP54 Rated seals effective
protection from moisture
and dust ingress

Built-In 85dB @
300mm Sounder
(BR and BAV only)

LED Status lights for
Power, Alarm and Fault

Gas type, address,
serial number and
range clearly labelled

External mountings
allow first fit without
opening housing

Unique labyrinth seal
protects sensor from
debris and moisture

6× Standard 20mm
Gland Entry Knockouts

Built-in alarm reset button
(BR and BAV only)

With three unique models, IGD can provide targeted gas detection with only the essential elements. By only incorporating the features that you need, we're able to offer an industry-leading, cost-effective gas detection solution, without compromising on quality or effectiveness.

The TOC-750B line of products come equipped with a relay output to provide a complete solution as both a standalone unit or as part of a larger system.

The TOC-750B provides intuitive, comprehensive coverage for the simplest applications.

The TOC-750BAV boasts clear audio-visual alarms and an onboard reset button and the TOC-750BR comes with a beacon sounder to offer even clearer and louder remote visual and audio alerts. A remote reset button can be provided for applications that require one.

With our 10-year warranty on electronics and more than a century of gas detection expertise, you can relax in the knowledge that your application's gas hazards are under control.

Accessory Order Codes

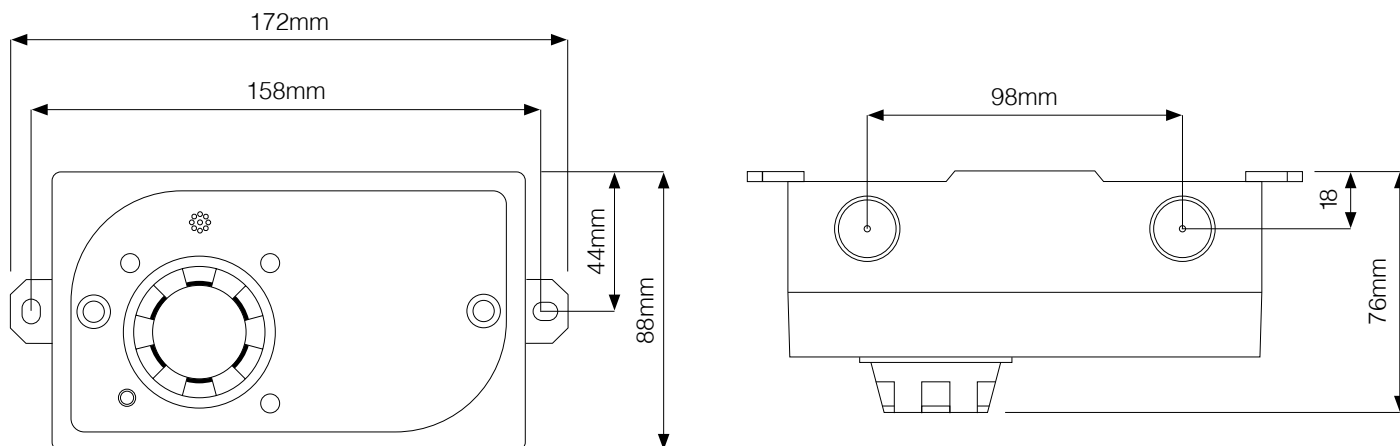|	Accessories		
Product	**Description**	**Order Code**	**Image**
UK Plug	3-Pin 24V DC	TOC-750B-PSU	
Collector Cone	For lighter than air gases Requires Splash Guard	401061	
Splash Guard	Increases the IP rating of the detector	TOC-750-GD1	
Beacon Sounder	17-60V DC Amber, up to 106dB (Not included with B or BAV)	5083101	
Remote Reset Button	Required for detection of flammable gases	TOC-RESET	
Illuminated Green Call Point	For placing the system into alarm	TOC-750-CP2	
Yellow Call Point	For placing the system into alarm	TOC-CALL-YELL	
Wall Mount E-Stop Button	For placing the system into alarm	5134601	

Detector Specifications

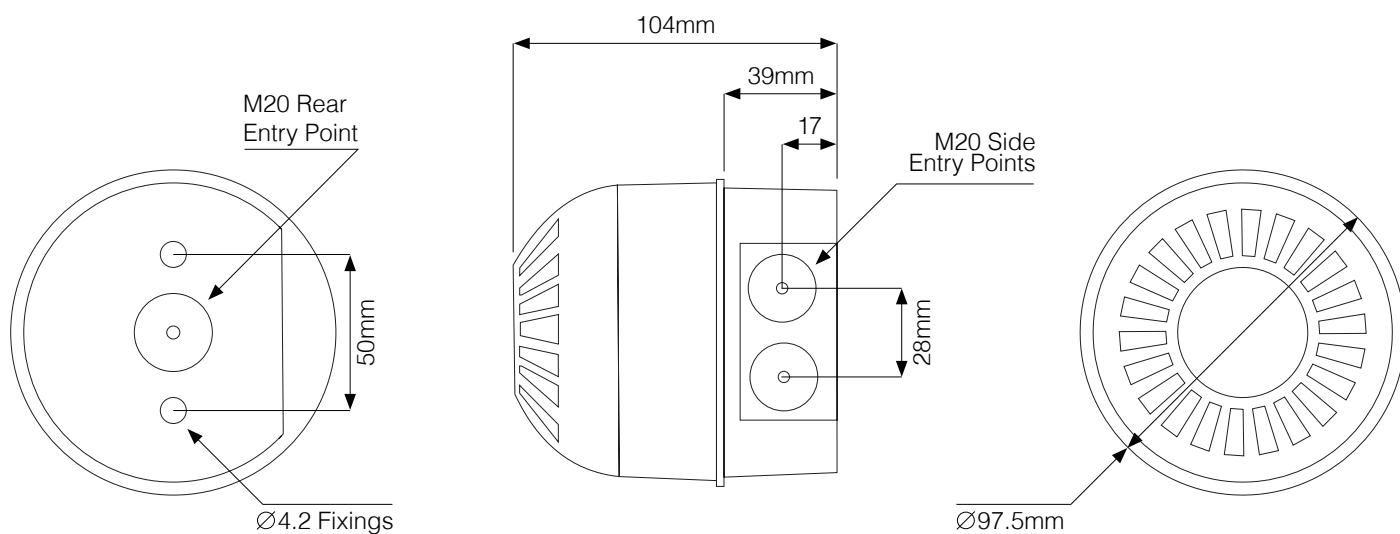| Power	Dimensions (w×d×h)	Weight	Temperature Range
12 to 28V DC 4W	See Diagram	300 g	-10° to 55°C (14° to 131°F)
Humidity 0% to 95% RH Non-Condensing	**Visual** 3 × LEDs (Power, Alarm, Fault) (TOC-750BR, BAV)	**Sounder** 85dB @ 300mm (TOC-750BR, BAV)	**Outputs** 1 Relay
Controls 1 × Reset Button (TOC-750BR, BAV)	**Mounting** Wall Mount	**Ingress Protection** IP54 (with Cable Glands)	**Housing Material** ABS
Response Time <30 seconds	**Sensor** Pellistor, Toxic, Oxygen, Infrared	**Cables** Fit bootlace ferrules to prevent stray wire strands shorting if using stranded cable	

Beacon Sounder Specifications (TOC-750BR)

Beacon Current	Voltage	Weight	Temperature Range
5mA	17-60V DC	300 g	-25° to 70°C (13° to 158°F)
Humidity 0% to 95% RH Non-Condensing	**Audibility @ 1m** Up to 106db	**Tones** 32	**Frequency** 400 to 2,850 Hz Selectable
Mounting Wall Mount	**Ingress Protection** IP65	**Housing Material** ABS	

TOC-750B/BR/BAV Dimensions

172mm

158mm

98mm

44mm

88mm

18

76mm

Beacon Sounder Dimensions (TOC-750BR)

M20 Rear
Entry Point

104mm

39mm

17

M20 Side
Entry Points

50mm

28mm

Ø4.2 Fixings

Ø97.5mm

EC Declaration of Conformity

Declares the product listed as:

TOC-750
TOC-750B

Addressable Safe
Area Gas Detector

Issuers name and address:
Oliver IGD Limited of
Triton House
Crosby St
Stockport, SK2 6SH
United Kingdom

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.

United Kingdom
Electromagnetic Compatibility Regulations 2016
Electrical Equipment (Safety) Regulations 2016
European Union
2004/108/EC   **EMC Directive**
2014/35/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.

IEC 50194	Electrical apparatus for the detection of combustible gases
IECUL/CSA 61010-1	Safety requirements for electrical equipment for measurement, control, and laboratory use. General requirements
IEC 50270	Electromagnetic compatibility - Electrical Equipment for the Detection and Measurement of Combustible Gases, toxic Gases or Oxygen
IEC 60529	Degree of Protection to IP54
IEC 60068-2-6	Vibration
IEC 60335:2012+A11:2014	Electrical Safety
Technical File Reference	T750B-TF9

Quality Management
Certificate Number
FS 646773
EMS 696504

Oliver IGD Limited operate an
independently assessed ISO 9001:2015
Quality Management System & ISO 14001
Environmental Management

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

CE

UKCA

RoHS compliant

Issued by: 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   **Date:** 16 May 2024   **Declaration Ref:** DEC-6
Position: Managing Director