

England

ES646773 REF: TOC-10-LPG-23R-V1.07

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www.internationalgasdet	cectors.com	ER IGD
	ansmitters Sensors	
Issuers name and address:	claration of Conform	
Oliver IGD Limited of Triton Hous,		)-LPG-23R
Crosby Street, Stockport, SK2 6TS England		tector for use in 'safe' non-zoned areas
Is in conformity with the provisions of the follo accordance with the installation and operating		
2004/108/EC EMC Directive		
EN 50270:2015 EN 60335-1:2002 EN 60335-1:2002 EN 60529 EN 61000-6-2: 2005 EN 61000-6-2: 2007 EN 61000-3-2/A2:2009 EMC Generic standa EN 61000-3-3: 2008 EMC Generic standa EN 61000-3-3: 2008 EMC Limits. Limits for EN 61000-3-3: 2008 FMC Limits. Limits for EN 61000-3-3: 2008 FMC Limits. Limitation Systems, for equipment Technical File Product Markings CE TOC-10 Oliver IGD Limited Operate and Independently assessed ATEX/IECEX QAN. Quality Assurance Certificate Number	for the detection of combustible gases in dom nents. patibility. Electrical apparatus for the detection Oxygen. ar electrical appliances. Safety. General Requirating ards. Immunity for industrial environments ards. Emission standard for industrial environments ards. Emission standard for industrial environments ards. Emission standard for industrial environments or harmonic current emissions (equipment inport on of voltage changes, voltage fluctuations are to with rated current ≤ 16 A per phase construction File -LPG-23R S/-serial number Oliver IGD Limited operate an independently asso ISO9001:2008 Quality Management System	nestic premises. Test Methods and on and measurement of combustible uirements ments but current ≤ 16 A per phase) nd flicker in public low-voltage supply sessed Testing Agency: n. TUV - SUD Octagon House
ExVeritas 16PQAN0014 Quality Assurance Notification Number: 2585	Quality Management Certificate Number FS 646773	Concorde Way PO 15 5RL Fareham
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 o Issued on: 10 Feb 2016 At	n-line at https://www.tuev-sued.de/industry and co Oliver IGD Limited, Stockport, SK2 6TS	
Signature: Name		lance with EN ISO/IEC 17050-1:2010
Position: Managing Director	Date: 10.Feb 2016	Declaration Ref: TOC-10-DEC-2
		hsi



Triton House Crosby Street Stockport SK2 6TS England

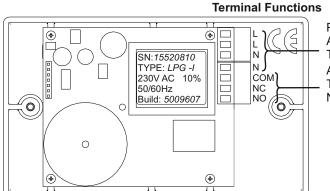
Tel: +44 (0)161 483 1415 Fax: +44 (0) 161 484 2345 Email: sales@internationalgasdetectors.com Website: www.internationalgasdetectors.com



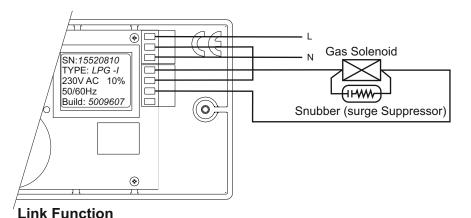
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#### Installation requirements



## **Typical Operation**



CE

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#### Power Supply With Auxiliary Output Terminals Alarm Level 1 Relay Terminals Active at Nominally 10% LEL

## ! Warning !

Installation of this device to the mains power supply should only be made by a competent person. The unit is supplied pre-calibrated but should be checked regularly, at least monthly using the test feature. Clean only with a damp cloth do not use any cleaning products

Do no tamper with this equipment to do so may risk electric shock or incorrect operation

Example shows a TOC © Wired to a gas supply solenoid valve. The warning light is active in this example when the first alarm level is reached (10%) and the gas solenoid is de-activated when the second alarm level is reached (25%). Note in this example a surge suppressor is fitted to the gas solenoid to extend the life of the relay. For DC solenoids a diode could be fitted. Any such installation must comply with the national regulations in force in the country EN1775 refers

Up to 8 Toc-10 © units can be linked together using the I/O and 0V terminals. When linked the Toc-10 © units have common alarm and common reset function.

Use minimum 0.75mmSQ Cable

# **Other Models Available**

11

50/60Hz

**Terminal Functions** 

SN:15520810

TYPE: LPG -I

230V AC 10%

Build: 5009607

1/0

0V

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I PG	Models
LFG	wouers

LPG Models		Methane (Natural Gas) Models	
T10-LPG-12RP	Marine 12V DC Version with 2 Alarm Relays	T10-CH4-23	Basic CH4 Version No Relay Outputs
T10-LPG-23	Basic LPG Version No Relay Outputs	T10-CH4-23R	Single Relay Version
	Single Relay Version	T10-CH4-23RP	Full Version With 2 Alarm Relays
T10-LPG-23R2W	Fitted With 3M UK Mains Lead and 2 Alarm Relays	T10-CH4-23R2W	Fitted With 2M UK Mains Lead and 2 Alarm Relays

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SN:15520810

TYPE: *LPG -I* 230V AC 10%

Build: 5009607

1/0

0V

50/60Hz

CE

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OLIVER IGD Triton House

**Crosby Street** 

Stockport

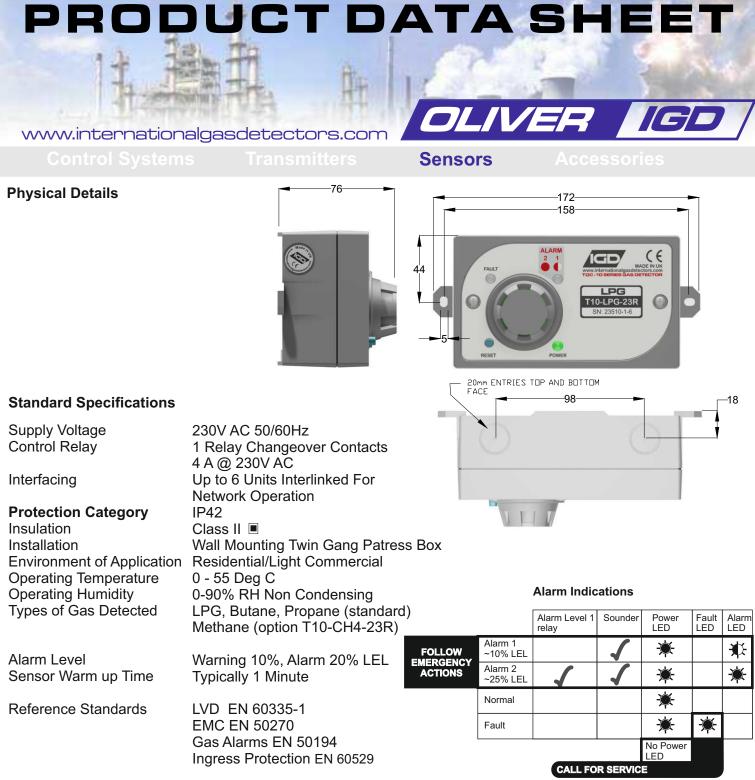
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### **General Information**

Note that the power LED will flash during warm up for 1 minute.

Some commonly occurring substances may cause long term

The TOC-10 © is pre-calibrated for its indicated target gas, usually LPG or Methane. The TOC-10 © will respond to any flammable gas to a greater or lesser degree. The following list indicates typical materials that may be commonly present which the unit may respond to in operation:

Aerosol Propellants (Butane) Paint Solvents (VOC's) Hot Cooking Oils Nail Varnish Solvent Based Adhesives (VOC's)





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detector damage, typically:

Silicones (furniture polishes)

Hair sprays (Silicones, VOC's etc) Chlorinated Cleaning Agents

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