

England

REF T10-LPG-23R2W-V1.07

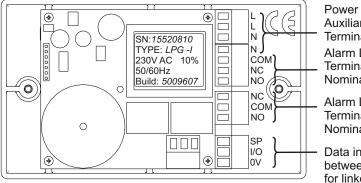
PRODUCT DATA SHEET	ų,
14 瑞州	
www.internationalgasdetectors.com	/
Control Systems Transmitters Sensors Accessories	
EC Declaration of Conformity	
Issuers name and address:	
Oliver IGD Limited of Triton Hous, C TOC-10-LPG-23R2N	
Crosby Street, Flammable point gas detector for use in 'safe' non-zoned	
SK2 6TS	
England Is in conformity with the provisions of the following European Directive(s) when installed, operated, serviced and maintained i	in
accordance with the installation and operating instructions contained in the product documentation.	
2004/108/EC EMC Directive	
And that the standards and/or technical specifications referenced below have been applied or considered. EN 50194-1:2009 - Electrical apparatus for the detection of combustible gases in domestic premises. Test Methods and	
EN 50270:2015 performance requirements. - Electromagnetic compatibility. Electrical apparatus for the detection and measurement of combustible	е
gases, toxic gases or Oxygen. EN 60335-1:2002 - Household and similar electrical appliances. Safety. General Requirements	
EN 60529 - Ingress Protection Rating 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 supp systems, for equipment with rated current ≤ 16 A per phase	ly
Technical File - T10-TF9 Technical construction File	
Product Markings (E TOC-10-LPG-23R2W S/-serial number	
Oliver IGD Limited Operate and Independently assessed ATEX/IECEX QAN. Oliver IGD Limited operate an independently assessed Testing Agency: ISO9001:2008 Quality Management System.	
Quality Assurance Certificate Number TUV - SUD   ExVeritas 16PQAN0014 Quality Management Certificate Number Octagon House   Concorde Way	
Quality Assurance Notification Number: FS 646773 PO 15 5RL Fareham	
2585 ExVeritas, BSI Assurance UK LTD, Mehr Sicherhe	oit.
Units 16-18, Chiswick High Road, Abenbury Way, London	
Wrexham Industrial Estate,W4 4ALWrexham, UK, LL13 9UZUK	
TUV Certificates and reports can be checked on-line at https://www.tuev-sued.de/industry_and_consumer_products/certificates	
Issued on: 10 Feb 2016 At Oliver IGD Limited, Stockport, SK2 6TS , United Kingdom	
Signature: Declaration of Conformity in accordance with EN ISO/IEC 17050-1:201	10
Name Andrew J Collier M.I.O.D	
Position:Managing DirectorDate:10 Feb 2016Declaration Ref: TOC-10-DEC-2	-
International Gas Detectors   Triton House   Tel: +44 (0)161 483 1415   ( )     International Gas Detectors   Graphy Street   Fax: +44 (0) 161 484 2345   ( )   )   UKA	S
International Gas Detectors Crosby Street Stockport Sk2 6TS England Crosby Street Stockport Sk2 6TS England Email: sales@internationalgasdetectors.com Website: www.internationalgasdetectors.com FS646773 BEE T10-1 PG-23B2W-V/	ENT



riease note This model is Supplied Pre-wired with A mains Lead And So Does Not Required Installation by a Qualified Person. The Following Interfaces are

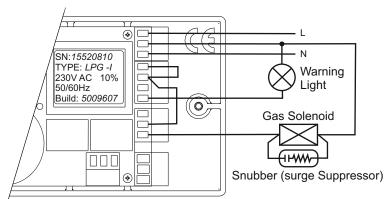
Sensors

Installation requirements



Also Included

## **Typical Operation**



### **Terminal Functions**

Power Supply With Auxiliary Output Terminals Alarm Level 1 Relay Terminals Active at Nominally 10% LEL Alarm Level 2 Relay

Terminals Active at Nominally 25% LEL

Data interconnect between Toc-10 units for linked operation

## ! Warning !

This unit is supplied pre-wired with a 3M mains lead. The additional interfaces listed here may required installation by a competent person. The unit is supplied precalibrated but should be checked regularly, at least monthly using the test feature. Clean only with a damp cloth do not use any cleaning products

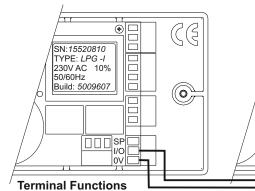
Do no tamper with this equipment to do so may risk electric shock or incorrect operation

Example shows a Toc-10 © Wired to a gas supply solenoid valve and warning light. 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

# Link Function



# **Other Models Available**

#### LPG Models

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



OLIVER IGD

Triton House

Stockport

SK2 6TS

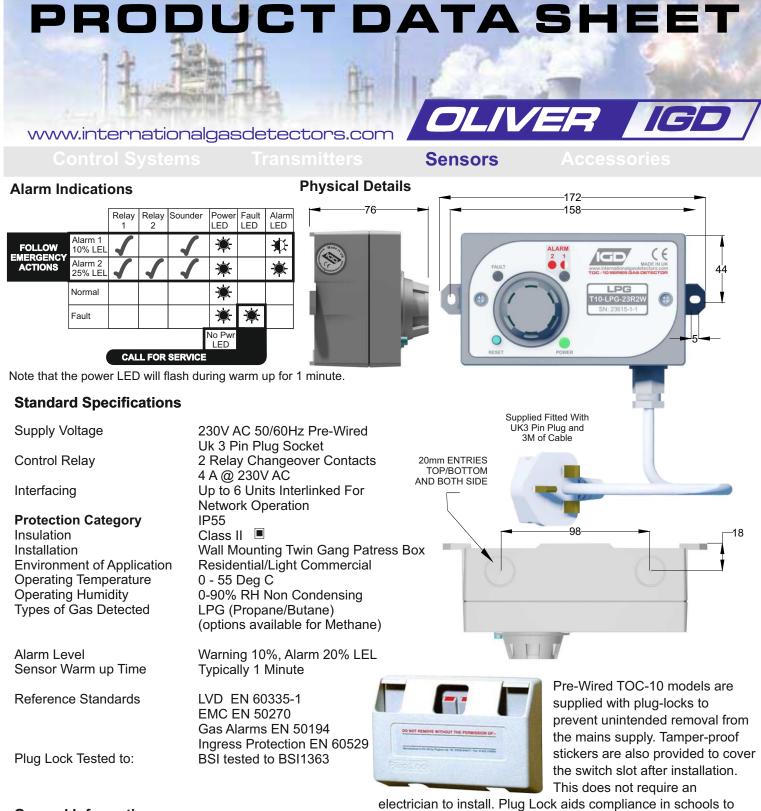
England

Crosby Street

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## **General Information**

electrician to install. Plug Lock aids compliance in schools to O.F.S.T.E.D rule 6.9

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: Some commonly occurring substances may cause long term

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)

**Chlorinated Cleaning Agents** 

Hair sprays (Silicones, VOC's etc)

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