

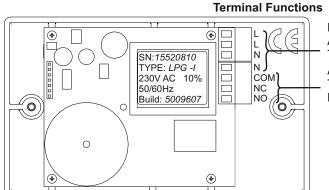
England

ES646773 REF T10-LPG-23-V1.06

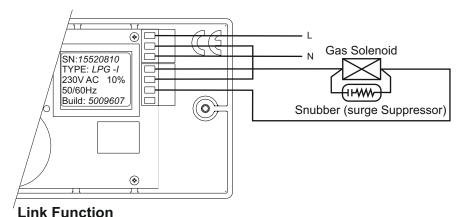
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Oliver IGD Limited Triton Hous, Crosby Street, Stockport, SK2 6TS England	d of	(6	Flammable p	<b>C-10</b> -	-LPG- tor for use in 'sa	
	th the provisions of the he installation and ope					naintained in
2004/108/EC	EMC Directive					
And that the stand	lards and/or technical s	specifications referen	ced below have been	applied or cons	sidered.	
EN 50194-1:2009	<ul> <li>Electrical appara performance requ</li> </ul>		of combustible gases	in domestic pro	emises. Test Me	thods and
EN 50270:2015		c compatibility. Electri	cal apparatus for the d	letection and m	neasurement of	combustible
EN 60335-1:2002 EN 60529 EN 61000-6-2: 200 EN 61000-6-4: 200 EN 61000-3-2/A2: EN 61000-3-3: 200 Technical File	<ul> <li>Ingress Protecti</li> <li>EMC Generic st</li> <li>EMC Generic st</li> <li>EMC Limits. Lin</li> <li>EMC Limits. Lin</li> <li>Systems, for equi</li> </ul>	on Rating andards. Immunity fo andards. Emission st hits for harmonic curre hitation of voltage cha	anges, voltage fluctuati rent ≤ 16 A per phase	ents environments nent input curre	ent ≤ 16 A per ph	
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Oliver IGD Limited C assessed ATEX/IEC	Operate and Independentl EX QAN.		ed operate an independe 008 Quality Management	t System.	Testing Agency: TUV - SUD	
Quality Assurance Certificate Number ExVeritas 16PQAN0014		Quality N	lanagement Certificate N FS 646773	C Number C F	Octagon House Concorde Way PO 15 5RL	SUD
-	nce Notification Number: <b>2585</b>	BSI Assurance L		ŀ	Fareham	
ExVeritas, Units 16-18, Abenbury Way, Wrexham Industrial Wrexham, UK, LL13		Chiswick High R London W4 4AL UK	,			Mehr Sicherheit. Mehr Wert.
	and reports can be checl	ked on-line at <u>https://w</u>	ww.tuev-sued.de/industry	and_consumer_	products/certificate	<u>es</u>
Issued on: 10	Feb 2016	At Oliver IGD Lim	nited, Stockport, SK2	2 6TS , United	l Kingdom	
Signature:		Declar	ration of Conformity in	accordance wi	th EN ISO/IEC	17050-1:2010
Name		Andre	w J Collier M.I.O.D			
Position:	Managing Director	Date:	10 Feb 2016	Decla	aration Ref: TOC	-10-DEC-2
	Detectors Cr CO2 St CO2 St	In House rosby Street ockport (2 6TS ngland		Tel: +44 (0)161 4 Fax: +44 (0) 161 4 rnationalgasdetect rnationalgasdetect	84 2345 cors.com ors.com	UKAS UKAS UKAS 003 S646773 LPG-23-V1.06



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**

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50/60Hz

**Terminal Functions** 

SN:15520810

TYPE: LPG -I

230V AC 10%

Build: 5009607

1/0

0V

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LPG Models	
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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	
			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

SP

1/0

0V

50/60Hz

CE

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OLIVER IGD

Triton House

**Crosby Street** 

Stockport

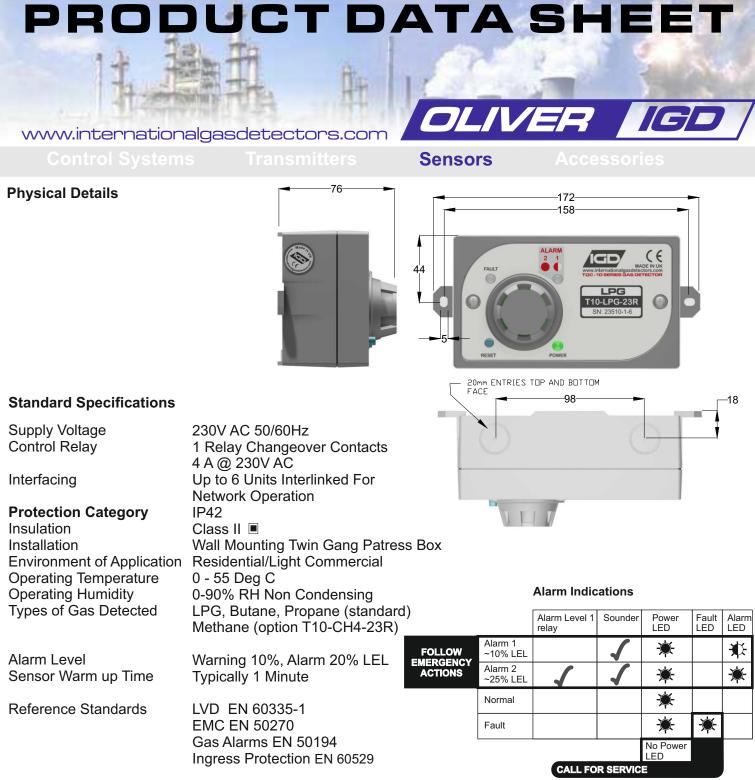
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England

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



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## **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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