

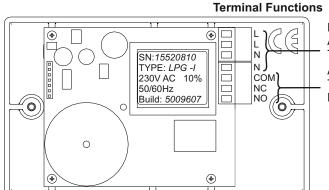
England

ES646773 REF T10-LPG-23-V1.06

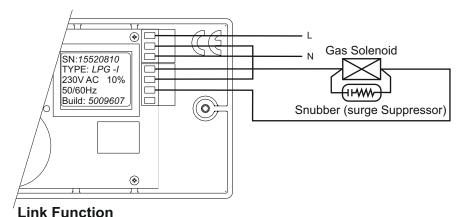
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Oliver IGD Limited Triton Hous, Crosby Street, Stockport, SK2 6TS England	d of	(6	Flammable p	C-10 -	-LPG- tor for use in 'sa	
	th the provisions of the he installation and ope					naintained in
2004/108/EC	EMC Directive					
And that the stand	lards and/or technical s	specifications referen	ced below have been	applied or cons	sidered.	
EN 50194-1:2009	 Electrical appara performance requ 		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	 Ingress Protecti EMC Generic st EMC Generic st EMC Limits. Lin EMC Limits. Lin Systems, for equi 	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	
Product Markings	(Е тос	- 10-LPG-23 S	;/-serial number			
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: 2585	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

1 [

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

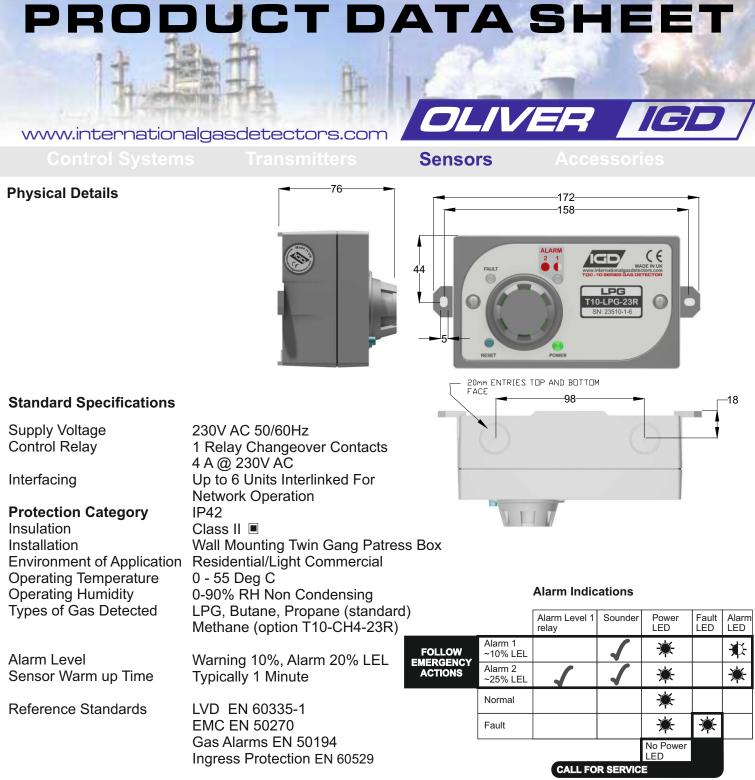
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General Information

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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