



ALARA

T10-CH4-23RP **TOC-10 Series Gas Detector For Methane**

TOC-10 Series gas detectors where designed by our clients after their in-field experiences using conventional domestic gas detectors. Our clients wanted IGD's reputation for quality and reliability in industrial environments but in a detector built for a domestic environment. Building on the deficiencies our clients encountered TOC-10 sets the standard for this class of gas detector. TOC-10 finds applications in domestic gas safety but also in marine applications, commercial kitchens, schools, colleges and many

more. All models have their own internal alarm sounders and clear RESE visual alarm LED's. Models are then available depending on power source and required output interfaces. A pre-wired version is also available allowing you to plug and go Loud audible Alerna straight out of the box.

Sensors

UK Design and Manufacture

Front mounted detector has unique splash guard and dust filter

FAULT

Clear Visual Alarms

IP Rated seals fitted between the front and rear housing

Can be surface mounted using external mounting feet Possible to first fit during building work

Sensor housing is sealed from the electronics housing

blocking flammable gas

Standard 2 Gang Fixing Allowing Flush Mounting **Using Standard Patress During Building**

20mm Cable Entry Knockouts Centred to Allow Easy Drilling For Smaller



International Gas Detectors

All Models have a 'link' function. Once linked if one TOC-10 goes into alarm then all linked units go into alarm



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EC Declaration of Conformity

Issuers name and address:

Oliver IGD Limited of 4a Pepper Rd Stockport, SK7 5BW United Kingdom



Declares that the product listed as:



Flammable point gas detector for use in 'safe' non-zoned areas only, stand alone operation.

Is 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.

2004/108/EC	EMC Direct	ive						
And that the star	ndards and/or te	chnical specifica	itions reference	ced below have bee	en applied or considered.			
EN 50194-1:200		Electrical apparatus for the detection of combustible gases in domestic premises. Test Methods and performance requirements.						
EN 50270:2006		Electromagnetic compatibility. Electrical apparatus for the detection and measurement of combustible gases, toxic gases or Oxygen.						
EN 60335-1:200	2 Househol	Household and similar electrical appliances. Safety. General Requirements						
EN 60529	Ingress P	Ingress Protection Rating						
Technical File	echnical File T10-TF9 Technical construction File							
Product Marking	^{js} CE	TOC-10	S/-seri	al number				
and/or QAN: Sira Test & Certification Ltd Hazardous Area Centre, Rake Lane Eccleston, Chester, CH4 9JN.		Oliver IGD Lir independently Quality Assur	y assessed IS		Testing Agency: TUV - SUD			
		-	Quality Assurance Certificate Number 023827		Octagon House Concorde Way PO 15 5RL Fareham			
		Quality Assurance Notification Number				Mehr Sicherheit. Mehr Wert.		
United Kingdom		SI	IRA 02ATEX I	M174				
Issued on: 1	5 Feb 2014	eb 2014 At Oliver IGD Limited, Stockport, SK7 5BW, United Kingdom						
Signature:	and the second s		Declaration of Conformity in accordance with EN ISO/IEC 17050-1:2004					
Name	< <u> </u>		Andrev	v J Collier M.I.O.D				
Position: Managing Director		rector	Date: 5.January 2014		Declaration Ref: TOC-10-DEC-			
					REF	T10-LPG-23R-V1.05		



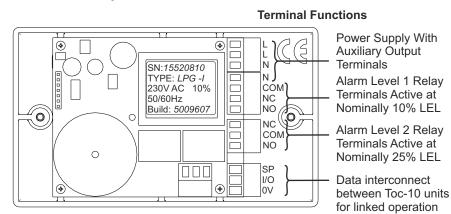


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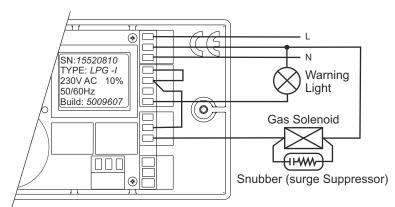




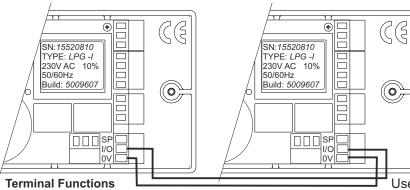
Installation requirements



Typical Operation



Link Function



Sensors

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

! Warning !



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

Other Models Available

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	



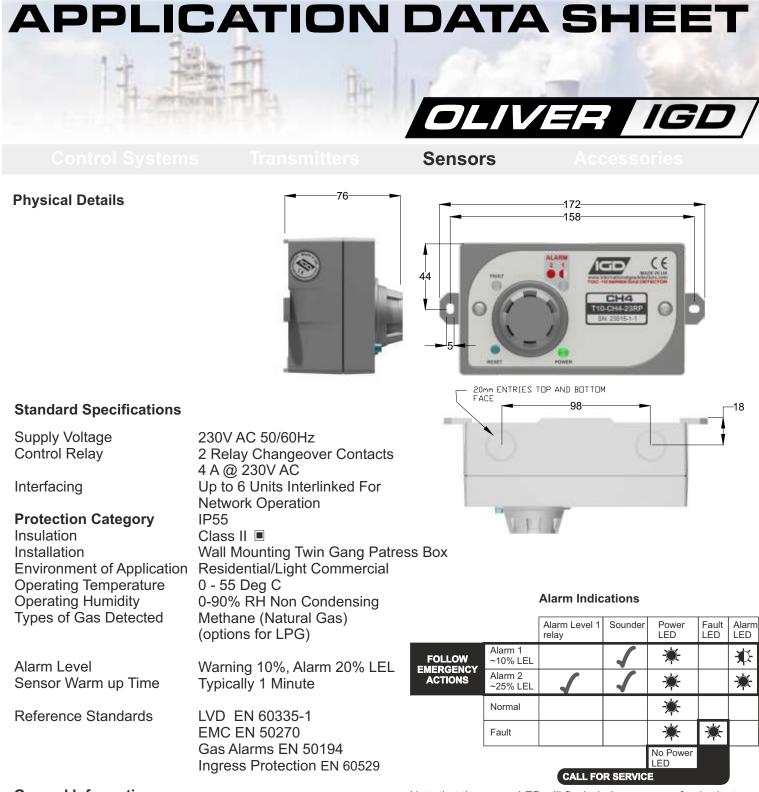


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CERTIFICATE NO 02382



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