

APPLICATION DATA SHEET



Control Systems

Transmitters

Sensors

Accessories

TOC SERIES 2-WIRE BOOSTER MODULES

External Power Supply With Battery Backup Option For Use With IGD2-Wire Gas Detection Systems



TOC-750-BAT3 or 4

750 Series Power Booster Modules with optional integrated battery backup provide extra power for 2-Wire 750 and 650 series gas detection systems. The optional integral battery backup unit provides a seamless switch over from mains to battery power in the event of mains power failure and will supplement the main controllers battery backup. 750 Series battery backup modules use the latest high efficiency technology to manage battery charging, change over to battery power and controlled shutdown. These units are typically used to supply extra power to long cable runs using where the options fitted require additional power. Where battery backup is a requirement then this option is available and will supplement the main controllers battery backup. Note that the battery backup option should only be fitted if the main control panel has battery backup.

There are two models to choose from

TOC-750-BAT3
5AH Battery Backup
24V DC PSU AT 150W

TOC-750-BAT4
24V DC PSU at 150W

Use with IGD 650 or 750 Series Control Panels

LCD Multi-Colour Display Gives Clear Indication of Power Source and Charge Status

Volt Free Relay Changes State on Power Failure

Volt Free Relay Output Changes State on Switch Over From Mains Power to Battery Power (TOC-750-BAT3 only)



Triton House
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Stockport
SK2 6SH
England

Ref T750BB3-1

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



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Standard Specifications

Power	110/230V AC 50/60Hz
Construction	ABS Enclosure
Display	2 x 16 LCD With RGB Back Light
Outputs	1 off SPCO Relays 4A Non-Inductive Both Outputs Change State on Change Over From Mains to Battery
Temperature	-5 to 55 Deg C Full Specification.
Humidity	0-95% RH Non-Condensing
Sealing	IP54
Mounting	Wall Mount
Weight	TOC-750-BAT1 6Kg With Batteries Fitted

Standard Features

Use With IGD 2-Wire Control Panels 650 or 750
LCD Multi-Colour Display Gives Clear Indication of Power Status

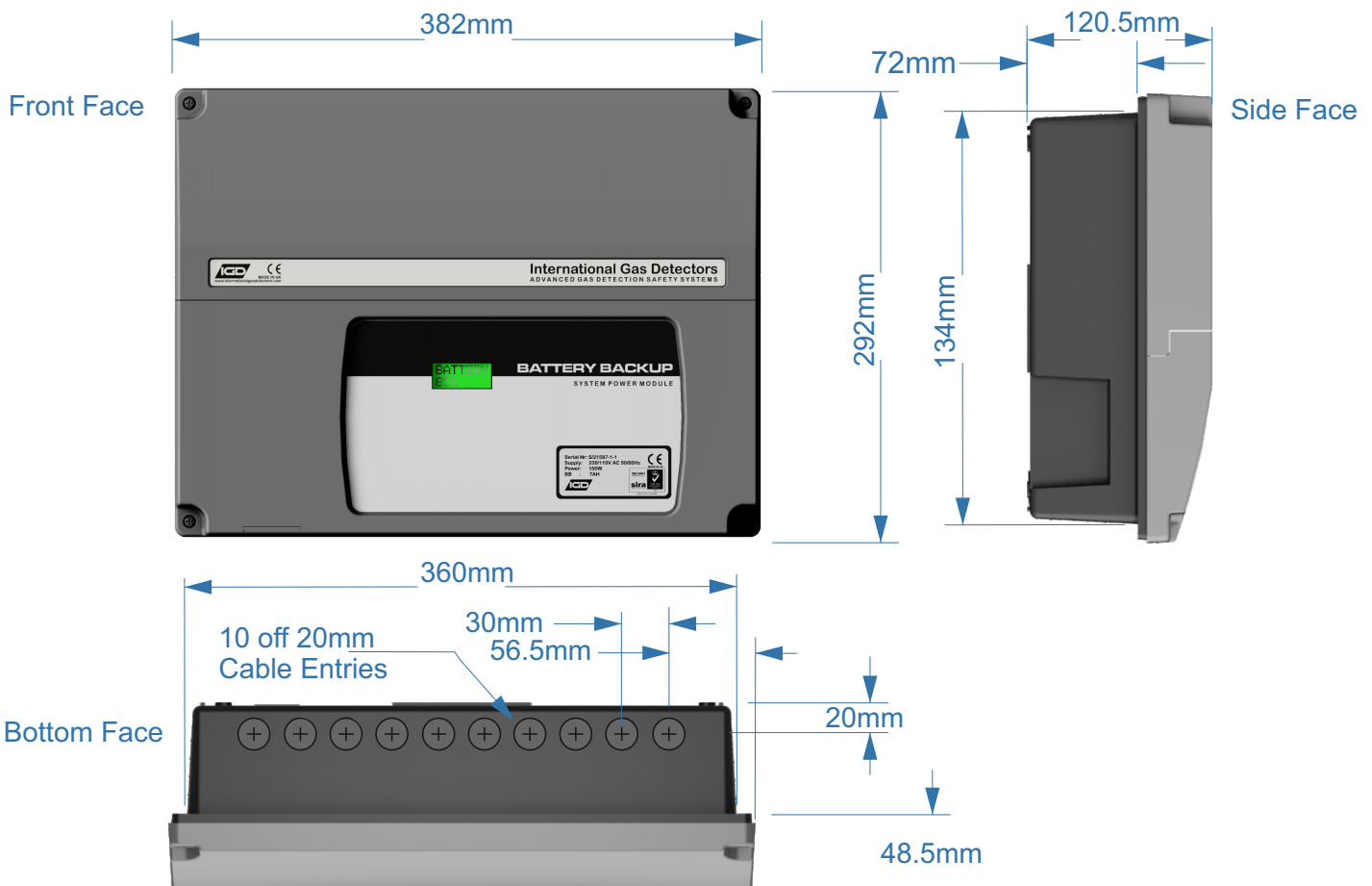
Volt Free Contact Changeover on Power failure

Optional Features

Volt Free Change Over Relay Changes State on Switch Over From Mains Power to Battery Power

LCD Indication of Battery Charge Status

LCD Indication of Operation From Mains or Battery Power



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EC Declaration of Conformity



Issuers name and address:

Oliver IGD Limited of
Triton House
Crosby St
Stockport, SK2 6SH
United Kingdom

Declares that the product listed as:

TOC-750-BAT3

TOC-750-BAT4

Power Booster Modules

Are 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 Directive

2006/95/EC

Low Voltage Equipment Directive (note not applicable to 24V DC Powered Versions)

And that the standards and/or technical specifications referenced below have been applied or considered.

EN 61000-6-2: 2005

EMC Generic standards. Immunity for industrial environments

EN 61000-6-4/A1: 2011

EMC Generic standards. Emission standard for industrial environments

EN 61000-3-2: 2014

EMC Limits. Limits for harmonic current emissions (equipment input current ≤ 16 A per phase)

EN 61000-3-3: 2013

EMC Limits. Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current ≤ 16 A per phase

Technical File Reference

T750BB-TF9

Oliver IGD Limited Operate and
Independently assessed ATEX/IECEX QAN.

Oliver IGD Limited operate an independently
assessed ISO9001:2008 Quality Management
System.

Testing Agency:

Quality Assurance Certificate Number
ExVeritas 16PQAN0014

Quality Assurance Notification Number:
2585

Quality Management Certificate Number
FS 646773

TUV - SUD
Octagon House
Concorde Way
PO 15 5RL
Fareham



Mehr Sicherheit.
Mehr Wert.

ExVeritas,
Units 16-18,
Abenbury Way,
Wrexham Industrial Estate,
Wrexham, UK, LL13 9UZ

BSI Assurance UK LTD,
Chiswick High Road,
London
W4 4AL
UK

TUV Certificates and reports can be checked on-line at https://www.tuev-sued.de/industry_and_consumer_products/certificates
Select Oliver IGD when prompted on the website to view certificates

Issued by: Oliver IGD Limited, Stockport, SK2 6SH , United Kingdom

Signature:

Declaration of Conformity in accordance with EN ISO/IEC 17050-1:2004

Name

Andrew J Collier M.I.O.D

Position:

Managing Director

Date: 1.July 2016

Declaration Ref: 750PB-AUG-1



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