



▶ **Cost-Effective**

Save up to 70% on installation by repurposing your existing wiring. Accommodates integration into an existing system.

▶ **Complete, Intuitive Control**

Full event monitoring and optional SMS alerts.  
Built-in Wi-Fi and, optional cloud-based data acquisition  
RGB display, 1-Click auto-setup and Jog-wheel controls.

▶ **Unparalleled Versatility**

2-Wire Addressable Technology and Sentinel+™ digital communication. Available in both Micro and Plus models. Connect with up to 8 (Micro) or 99 (Plus) external devices.

▶ **Peace of Mind**

Designed and manufactured in the UK. Backed up by more than a century of expertise and our 10-year warranty\*. All compliance is supported by 3<sup>rd</sup> party certification.



Advanced 2-Wire Addressable Control Panel

## Pioneering Technology

State-of-the-art addressable gas detection in one compact package. The TOC-635 Control Panel is the central hub of your addressable gas detection system and the interface through which you can control your entire setup. Equipped with Sentinel+™ digital communication software and 2-Wire Addressable technology, IGDs advanced gas detection system is designed to provide fast, efficient, accurate performance to protect personnel and plant against gas hazards.

Our Detectably Better system utilises a 2-core polarity-independent cable helping to reduce system costs and offering unparalleled flexibility, accommodating up to 8 (Micro) or 99 (Plus) additional devices linked in series. Link alarms, interface with plant shutdown hardware, and communicate clearly with BMS and similar systems.

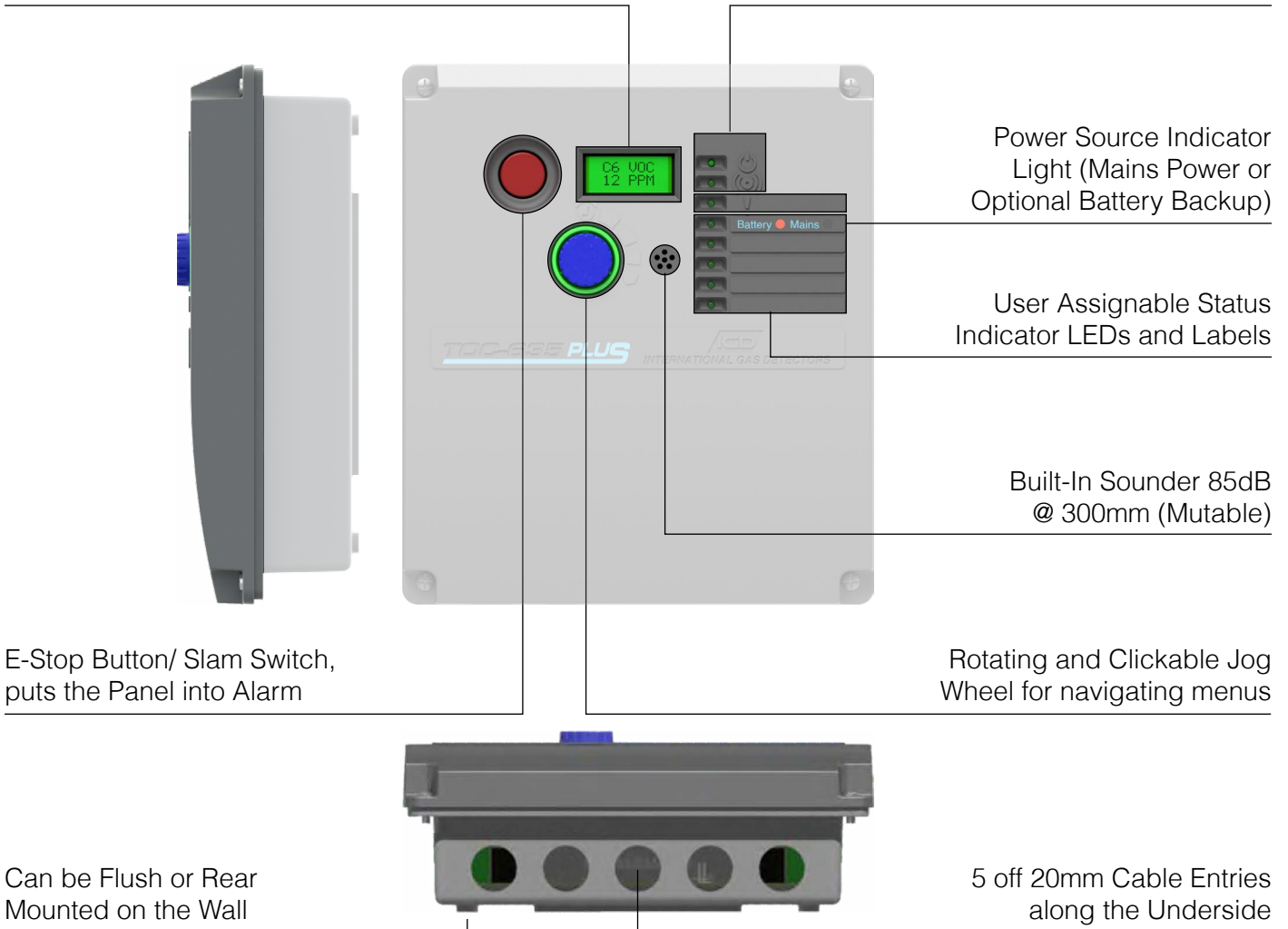
\*See terms and conditions on our website.

Advanced 2-Wire Addressable Control Panel

# TOC-635 Control Panel

2x8 Digit LCD Colour-Changing Display (Red, Amber, Green, Blue)

Power, Fault and System Alarm LEDs



E-Stop Button/ Slam Switch, puts the Panel into Alarm

Rotating and Clickable Jog Wheel for navigating menus

Can be Flush or Rear Mounted on the Wall

5 off 20mm Cable Entries along the Underside

Advanced 2-Wire Addressable Control Panel

## Complete Control

The Plus offers all the same features as the Micro while also boasting 2 digital inputs and built-in Wi-Fi allowing you to download system reports and perform system servicing. Optional cloud-based data acquisition enables the remote monitoring of your system's status in real-time from any laptop, mobile phone, or tablet and supports email & text-based alarm notifications. Both models

accommodate integration into 3<sup>rd</sup> party systems such as BMS and fire management systems. The Plus also boasts BACnet/Modbus compatibility. The 2x8 RGB display allows for intuitive interfacing and clear audible and visual alarms. The TOC-635 features assignable LEDs, 1-Click auto-setup and Jog-Wheel interfacing offering complete control and total peace of mind.

Advanced 2-Wire Addressable Gas Detector

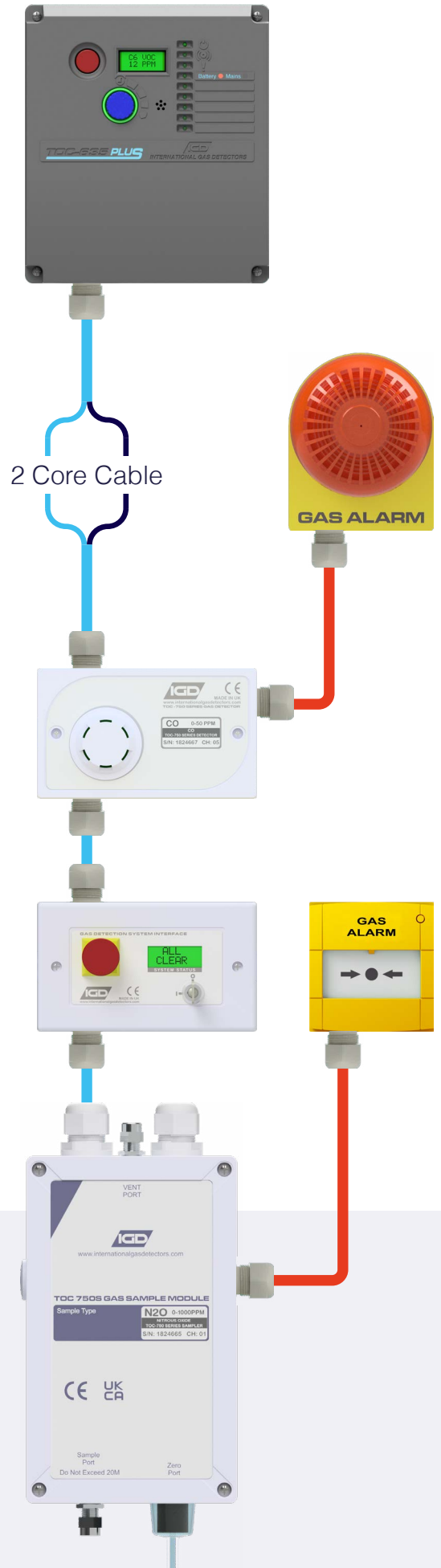
# Advanced 2-Wire Addressable Gas Detection

2-Wire Addressable technology combines with our Sentinel+™ digital communication software, to provide an advanced addressable gas detection system designed to offer fast, efficient, and error-free performance. The 2-Wire Addressable system also allows you to link multiple detectors in series on our 2-Core cable providing unparalleled versatility and huge savings on installation and allowing for seamless integration into your setup.

Key features include:

- Auto-find
- Auto-configure
- Auto-update
- Downloadable status reports

Sentinel+™ accommodates interfacing with your safety systems, communication with all hardware and BMS and the addition of alarms, and other external devices. Our 2-Wire Addressable solutions have no polarity requirements, which means we can minimise cabling and system costs without compromising on safety.







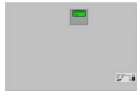



Advanced 2-Wire Addressable Control Panel

# Installation Cables

- Supported installation cables 2 core 1.5mmSQ or 2.5mmSQ
- Typically SWA, MICC, SY, CY Screened or similar



See the IGD cable system calculator

# Order Codes

Order Code	Description	Image
TOC-635-PLUS	230V AC Control Panel 50W PSU 2x8 RGB Display and Jog Wheel 4 Relays, 1 Highway, 32 Devices	
TOC-635-MICRO	230V AC Control Panel 50W PSU 2x8 RGB Display and Jog Wheel 2 Relays, 1 Highway, 8 Devices	
TOC-635-BAT	24V DC Power Module 2.3Ah Battery Backup	
TOC-635-BAT1	110/230V AC Power Module 300W PSU 5Ah Battery Backup	
TOC-635-BAT2	110/230V AC Power Module 300W PSU 17 Ah Battery Backup	
TOC-635-BAT3	Booster Module with Battery Backup 5Ah Battery Capacity 24V DC PSU at 150W	
TOC-750-IO2	Expansion I/O Card 8 Relay Outputs 10 Digital/Analogue Ports	
FB-BX-1	Field Accessory Box Fits 2 Expansion Cards (TOC-750-IO2)	

# Features Table

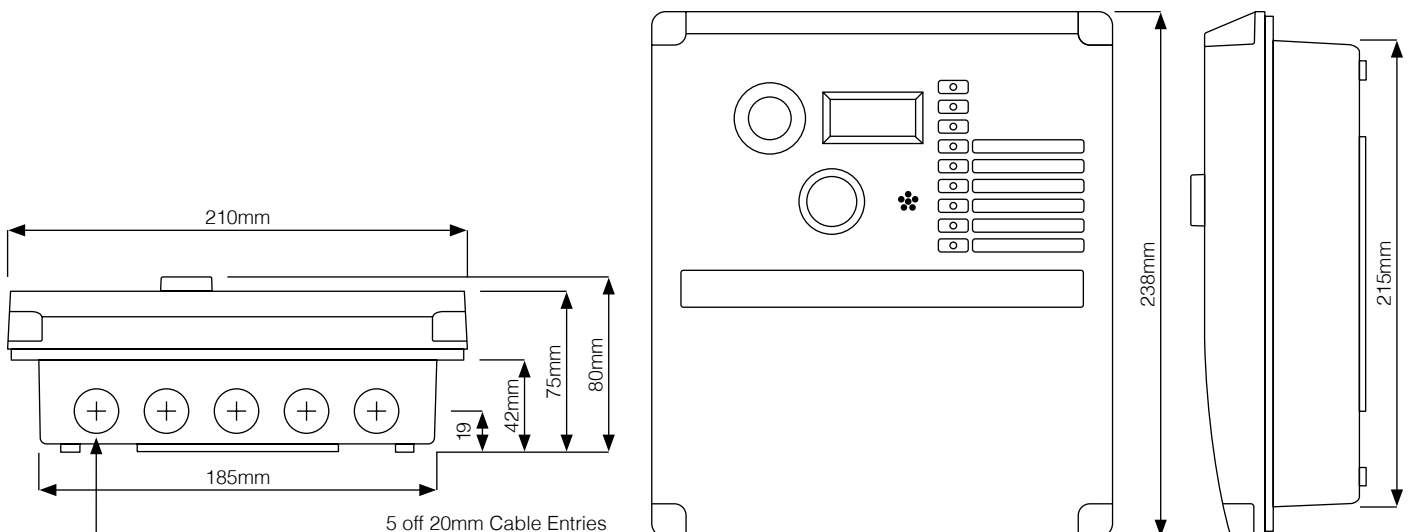
\*The number of detector nodes that can be ran on the highway will be limited by the TOC-635 power supply, this is detailed in the manual (SL-014).

	 TOC-635-MICRO	 TOC-635-PLUS
RGB Display	Yes	Yes
Illuminated RGB Menu Wheel	Yes	Yes
6 Assignable Alarm LEDs	Yes	Yes
Sounder	Yes	Yes
Detector Ports	1	1
Supported Detectors/Modules*	8	99
On-Board relays	3	4
External Relays/SSR	8	99
Digital Inputs	-	2
Wi-Fi Connectivity	-	Yes
Modbus/ BACnet Connectivity	-	Yes
Real Time Clock	-	Yes
Event Log Report	-	Yes
System Status Report	-	Yes
Calibration Status Report	-	Yes
Beacon Sounder Output Port	-	Yes
Battery Backup Port	-	Yes
Sensors Available for ETO, Formaldehyde, Refrigerants and Non-Standard Gases	-	Yes

# Specifications

<p><b>Power</b></p> <p>230V AC 50Hz 55W</p>	<p><b>Weight</b></p> <p>1.2 Kg</p>	<p><b>Outputs</b></p> <ul style="list-style-type: none"> <li>- 3 off SPCO Relays 4A Non-Inductive User Configurable</li> <li>- 1 off Fault Relay SPCO Relays 4A Non-Inductive</li> <li>- 1 off Solid State Beacon Sounder Output</li> <li>- Additional Digital Inputs/Relay Outputs can be added to Highways if Required see feature table for model differences</li> </ul>
<p><b>Humidity</b></p> <p>20% to 95% RH Non-Condensing</p>	<p><b>Ingress Protection</b></p> <p>IP54</p>	
<p><b>Inputs</b></p> <p>Up to 8 or 32 off Addressable series detectors or I/O modules</p> <p>See features table</p> <p>Note external booster PSU may be required</p>	<p><b>Temperature Range</b></p> <p>-20° to 55°C (-4° to 131°F)</p> <p>At 55°C derate PSU output by 30%</p>	<p><b>Other I/O</b></p> <ul style="list-style-type: none"> <li>- Sounder 85dB @ 300mm (Mutable)</li> <li>- 1 off RS485 Port Modbus in/out (PLUS Only)</li> <li>- 2 off Multi-Function Inputs mA or Digital (PLUS Only)</li> <li>- 6 User Defined alarm indicating LEDs</li> <li>- Illuminated RGB Light Ring, Alarm, Fault, Menu, etc.</li> <li>- SSR</li> </ul>
<p><b>Dimensions (wxdxh)</b></p> <p>See Diagram</p>	<p><b>Housing Material</b></p> <p>ABS</p>	

# Dimensions



# EC Declaration of Conformity

Declares the product listed as:

TOCSIN  
635-PLUS  
TOCSIN  
635-MICRO

Issuers name and address:

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

Are in conformity with the provisions of the following United Kingdom and European Directive(s) when installed, operated, serviced and maintained in accordance with the installation and operating instructions contained in the product documentation.

## United Kingdom

**Electromagnetic Compatibility Regulations 2016**

**Electrical Equipment (Safety) Regulations 2016**

## European Union

**2004/108/EC EMC Directive**

**2014/35/EU 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.

<b>IEC 60079-0:2017 7th Ed</b>	Explosive Atmospheres Equipment General Requirements
<b>IEC 60079-29-1:2016 2nd Ed</b>	Explosive Atmospheres. Gas Detectors. Performance Requirements of Detectors for Flammable Gases.
<b>IEC 50270</b>	Electromagnetic Compatibility - Electrical Equipment for the Detection and Measurement of Combustible Gases, toxic Gases or Oxygen
<b>IEC 60529</b>	Degree of Protection to IP54
<b>IEC 60068-2-6</b>	Vibration
<b>IEC 50271</b>	Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen. Requirements and tests for apparatus using software and/or digital technologies
<b>IEC 60335:2012+A11:2014</b>	Electrical Safety
<b>Technical File Reference</b>	T635-TF9

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

Quality Assurance Certificate  
Number: **16PQAN0014**  
Quality Assurance Notification  
Number: **2804**

## Report Ref AT19-0036585-01

Oliver IGD Limited operate  
an independently assessed  
ISO9001:2015 Quality Management  
and ISO14001:2015 Environmental  
Management System

Certificate Numbers **FS0646773 &  
EMS696504**

BSI Assurance UK LTD,  
London, W4 4AL  
United Kingdom



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

**Signature:** 

Declaration of Conformity in accordance with EN ISO/IEC 17050-1:2010

**Name:** Andrew J Collier M.I.O.D  
**Position:** Managing Director

**Date:** 10 May 2024

**Deceleration Ref:** DEC-9