

Tri-Sensor Detector (CO, smoke, heat)

The Wireless Tri-Sensor Detector (CO, smoke, heat) is the latest in wireless multi-criteria detection technology. It is a fully intelligent device and compatible with all Argus wireless translator and expander modules.

The detector combines CO sensing, dual-path smoke and heat detection technologies for unrivalled performance, maintaining high levels of unwanted alarm rejection.

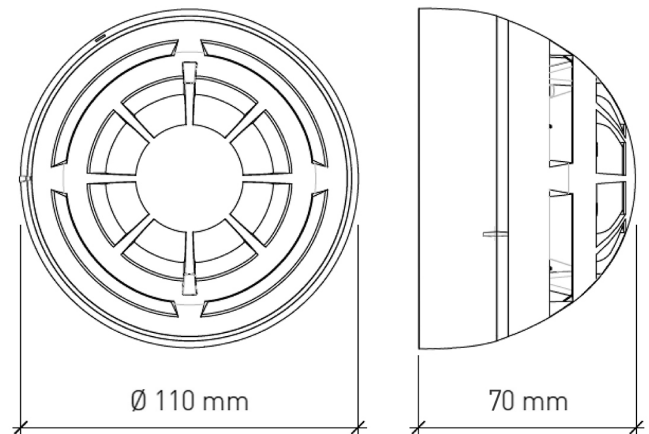
The device complies with EN54-31 (point detectors using a combination of smoke, carbon monoxide and optionally heat sensors) which considers 2 possible MT and NT operative modes. The MT mode requires at least 2 independent stimuli (eg smoke & CO, thermal & smoke) to get to a full alarm, whilst the NT operative mode allows a full alarm to be generated from a single stimulus. Our device offers various possible environmental profiles for each of the 2 modes, further improving nuisance rejection and guaranteeing the promptest fire detection.

Utilising well-proven adaptive radio signal processing algorithms ensures that the highest levels of life safety and system reliability are achieved. Dual-mode magnet test facilitates highly efficient testing. Mode One disables any delays for rapid smoke can testing, Mode Two puts the device into alarm using internal electronic test algorithms.



Features

- Dual angle scattering analysis optical chamber design
- Solid electrolyte carbon monoxide sensor (10 years life)
- Internal algorithm processing optimises performance
- 12 profiles available, from harsh/industrial to ultra-clean environments
- Utilises standard low cost lithium battery technology
- 8 year battery life
- Bi-directional communication protocol between all wireless devices
- Device identification tab
- Fast magnet test feature for engineer testing
- Twin alarm LEDs for 360° visibility
- Approved to EN54-5, EN54-7, EN54-31 and EN54-25.



Specification

Operating frequency range	868 MHz
Maximum radiated power	14dBm (25mW)
Operating frequency channels	Multiple
Choice of sensitivity settings	MT & NT operative modes
Dimensions (H x W)	110 x 70 mm
Weight	200 g
Batteries	2xCR123A
Battery life	8 years
Operating temperature range (no icing)	-10°C to +55°C
Maximum tolerated humidity (non condensing)	95% RH
IP Rating	40
Magnet test	Yes

Standards and Approvals

- EN54-5 Heat Detectors - Point Detectors
- EN54-7: Smoke Detectors - Point Detectors using scattered light, transmitted light or ionisation
- EN54-31: Multi-sensor fire detectors - point detectors using a combination of smoke, carbon monoxide and optionally heat sensors
- EN54-25: Components using radio links and system requirements

Order Codes and Options

LW-DMCO-01	Wireless Multicriteria Detector (CO, smoke, heat)
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Check if this document is up to date

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As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.