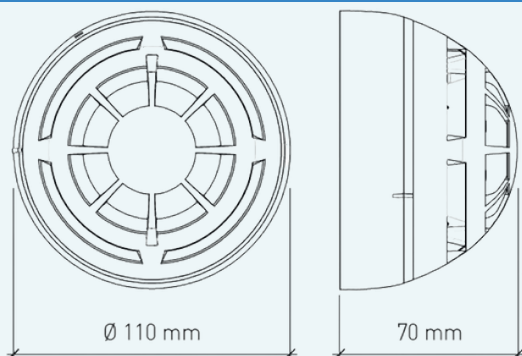DATASHEET
WIRELESS MULTI-CRITERIA DETECTOR
TW-DM-01

The TW-DM-01 Taurus wireless multi-criteria detector is the latest in wireless multi-criteria detector technology. The detector is a fully intelligent device combining both smoke and heat detection technologies for improved performance, whilst maintaining high levels of unwanted alarm rejection. Utilising well-proven adaptive radio signal processing algorithms ensure the highest levels of life safety and system reliability are achieved. An in-built magnet test allows easy activation to verify correct functionality and response.

KEY FEATURES

- Advanced dual optical chamber design
- Twin alarm LEDs for 360° visibility
- Multiple operating settings
- Advanced drift compensation
- Bi-directional wireless communication
- Can be used with Taurus addressable and conventional translators
- 22 pairs of field channels
- Long communication range (≅1 km in open air)
- Dual channel redundancy
- 10 year battery life
- Utilises standard low cost lithium battery technology
- Device identification tab
- Security screw to prevent tampering and unwanted removal
- Easy scan & link programming option
- 3rd party approved
- 5 year product warranty
- Tri-coloured LED
- Thermal part Category A1R approved

TECHNICAL SPECIFICATION

Operating frequency range	868 – 870 MHz
Max radiated power	14dBm (25mW)
Dimensions	110mm x 70mm
Weight (without batteries)	155 g
Batteries	2x CR123A
Operating Temperature	–10°C to +55°C
Max humidity (non condensing)	95% RH
IP rating	40

TECHNICAL INFORMATION

Ø 110 mm   70 mm

STANDARDS & APPROVALS

- EN 54-5: Heat detectors - Point heat detectors

- EN 54-7: Smoke detectors - Point smoke detectors that operate using scattered light, transmitted light or ionization

- EN 54-25: Components using radio links

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BASE COMPATIBILITY

This device is supplied with a standard base and is compatible with the following sounder bases:

- TW-BS-01 Wireless Sounder Base
- TW-BSB-23W-01 Wireless Sounder Base + beacon white light (EN-54 23 approved)
- TW-BSB-23R-01 Wireless Sounder Base + beacon red light (EN-54 23 approved)