eurotech®
fire systems limited

Euro-fi Wireless (Libra) Class P Heat Detector (EUW-TA-02)

The EUW-TA-02 is the latest in wireless heat detector technology. It is a fully intelligent device and compatible with all Euro-fi wireless Translator and Expander modules.

The detector is designed for open area protection giving the best possible warning of a fire condition in locations where smoke detection technology is not suitable. The 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.

* For BASE COMPATIBILITY see page 3

TECHNICAL DATA

Operating frequency range	868 – 870 MHz
Max radiated power	14dBm (25mW)
Operating channels	Multiple
Class A1R	(58°C max) or
Class BS high temp	(78°C)
Dimensions	110mm x 70mm
Batteries	2 x CR123A
Weight	190g
Temperature range (no icing)	-10°C to +55°C **
Max tolerated humidity (non condensing)	95% RH
IP Rating	40

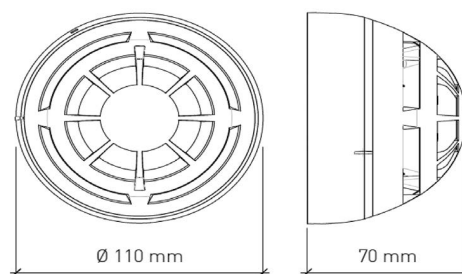** Performance may vary at extremes of range

KEY FEATURES

- Twin alarm LEDs for 360 deg visibility
- Internal algorithm processing optimises performance
- 3rd party approved
- Up to 10 year battery life
- Utilises standard low-cost lithium battery technology
- Bi-directional wireless communications
- Compatible with all Euro-fi translators and Expanders
- Multiple sensitivity settings
- 5 year product warranty
- Device identification tab

APPROVALS

- BS EN 54-5 Class P: Heat Detectors. Point Detectors
- BS EN54-25: Components using radio links

TECHNICAL INFORMATION

Ø 110 mm   70 mm

LED INDICATION

The device is equipped with 2 tri-colour LEDs (red/green/amber) that provide visual indication for functional conditions and battery levels as indicated in the sections below:

OPERATIONAL STATUS INDICATIONS

STATUS	AMBER LED	GREEN LED	RED LED
Power up	-	1 second on then	4 x 0.5 seconds on
Linking to system	-	Blinking until link is complete	-
Link procedure has failed	-	-	Continuous
Normal condition	-	-	-
Alarm condition	-	-	0.5 second on & 0.5 second off
Main battery fault	0.1 second on & 5 seconds off	-	-
Secondary battery fault	-	0.1 second on & 5 seconds off	-
Both batteries fault	0.1 second on & 5 seconds off	0.1 second on & 5 seconds off	-
Other fault	Sequential bi-colour flashing		-
Tamper	-	-	-
Loss of radio link with translator/expander	-	-	-

COMMUNICATION QUALITY ASSESSMENT

It is possible to assess the wireless communication quality between the device and translator or expander using the built in test facility. After successful programming of the device, changing the "Program" switch to the "ON" position will set the device into test mode and the LED will start blinking according to the table below:

STATUS	AMBER LED	GREEN LED	RED LED
No connection	Fail	-	Two flashes
Link margin is less than 10dB	Poor - not acceptable	-	One flash
Communication with link margin from 10dB to 20dB	Medium/Low - not recommended	One flash	-
Communication with link margin from 20dB to 30dB	Good	Two flashes	-
Robust communication with link margin over 30dB	Excellent	Two flashes	-

BASE COMPATIBILITY

This device is supplied with a standard base and is compatible with the following Euro-fi base sounders:

- EUW-BS-02 Wireless Sounder Base
- EUW-BSB-02 Wireless Sounder Base Visual Indicator

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