DATASHEET
HYFIRE TAURUS TRANSLATOR MODULE
TAU-TRM-01

TAURUS
By Hyfire

The TAU-TRM-01 Hyfire Taurus Translator Module is the core component of the Taurus intelligent hybrid fire detection and alarm system. When connected on to a compatible loop, the unit is capable of linking up to 128 fully intelligent wireless field devices with the fire alarm system. All wireless communications rely on a channel pair for spurious RF noise rejection and maximum link reliability. The translator allows fully intelligent and seamless integration of the wireless devices alongside standard wired devices or can be used independently to form completely wireless systems. Using cutting-edge wireless technology and a proprietary orthogonal antenna design it ensures the highest levels of life safety and system reliability.
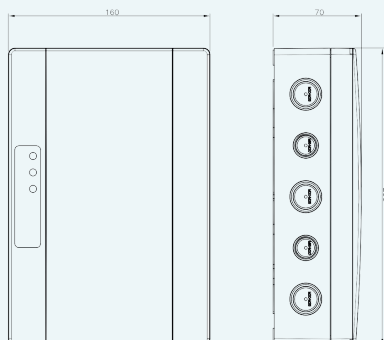
KEY FEATURES

- Loop powered or via external power supply unit
- Bi-directional wireless communication
- Compatible with up to 15 expander modules
- Mesh expander technology programmable for redundant path to the translator
- Internal antennae design
- Low current consumption
- 8 pairs of network channels
- Dual channel redundancy
- Long communication range (≅1 km in open air)
- Full analogue data availability (eg optical and thermal value, link quality, battery status, chamber drift compensation status)
- Site programmable via internal keypad, or via wireless or wired PC connection
- Full system programming capability from the translator
- Easy scan & link programming option
- 3rd party approval to EN54-17, EN54-18 and EN54-25
- 5 year product warranty

TECHNICAL SPECIFICATION

Loop power supply range	18Vdc – 40Vdc
Operating frequency range	868 – 870 MHz
Max radiated power	14dBm (25mW)
IP rating	65
Operating Temperature	-10°C to +55°C
Max humidity (non condensing)	90% RH
Typical current consumption	16mA (@ 24V dc)
Weight	700 g
Dimensions	235 x 160 x 70 mm

TECHNICAL INFORMATION

STANDARDS & APPROVALS

- BS EN54-17: Short Circuit Isolators
- BS EN54-18: Input/Output Devices
- BS EN54-25: Components using radio links and system requirements

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