

sygno-fi
ENHANCED



SYGNO-FI ENHANCED TRANSLATOR MODULE

(SYG-W2W-EHD, SYG-W2W-B-EHD)

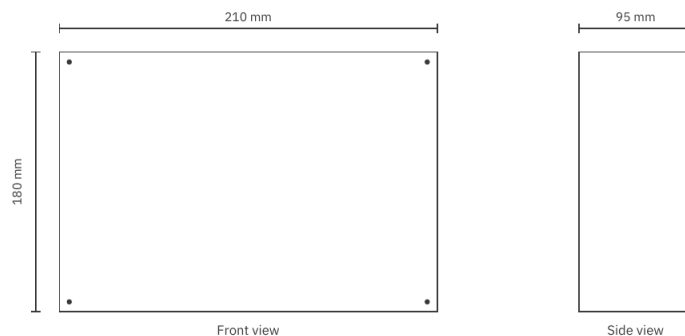
The SYG-W2W-EHD Sygno-fi Enhanced Translator Module is the core component of the Sygno-fi Enhanced intelligent hybrid fire detection and alarm system. When connected on to a compatible loop, the unit is capable of linking up to 128 fully intelligent wireless field devices with the fire alarm system. All wireless communications rely on a channel pair for spurious RF noise rejection and maximum link reliability.

The translator delivers full intelligent communication for wireless and hybrid systems, powered by an enhanced RF platform with faster setup through USB C and Bluetooth. It supports translator level redundancy for greater system resilience and is available in a black variant (SYG-W2W-B-EHD). Available in battery and no battery (NB) versions. See variants for details.

KEY FEATURES

- Loop powered or via external power supply unit
- Mounting plate for first fix installation
- Bidirectional wireless communication with integrated dual antenna
- Compatible with up to 15 expander modules
- Mesh expander technology programmable for redundant path to the translator
- Internal antenna design
- Low current consumption
- 8 pairs of infrastructure channels and 22 pairs of channels for field devices
- Dual channel redundancy
- Long communication range (approximately 1 km in open air)
- Full analogue data availability (eg optical and thermal value, link quality, battery status, chamber drift compensation status)
- Local diagnostic via LCD
- Full system programming capability from the translator
- Easy scan and link programming option
- 3rd party approved
- 5 year product warranty
- Bluetooth enabled translator for cable free commissioning
- Translator redundancy with primary/secondary link via serial cable with automatic failover for uninterrupted protection
- Deeper panel integration with battery estimates, efficiency/RSSI, test mode and sensitivity control
- Fully synchronised system that optimises battery consumption and enables easy integration with third party platforms (for example, EVAC systems)

TECHNICAL INFORMATION



TECHNICAL SPECIFICATION

General	
Loop power supply range	18Vdc to 40Vdc
Operating frequency range	868 MHz to 870 MHz
Max radiated power	14dBm (25mW)
IP rating	IP30
Operating Temperature	-10°C to +55°C
Max humidity (non condensing)	90% RH
Typical current consumption	16mA (at 24V dc)
Weight	615 g
Dimensions	210 mm x 180 mm x 95 mm

STANDARDS & APPROVALS

- EN 54-17: Short Circuit Isolators
- EN 54-18: Input/output devices
- EN 54-25: Component using radio links

OTHER VARIANTS AVAILABLE

- SYG-W2W-EHD: white housing, battery version
- SYG-W2W-B-EHD: black housing, battery version
- SYG-W2W-EHD-NB: white housing, no battery version
- SYG-W2W-B-EHD-NB: black housing, no battery version

All equipment must be designed, installed, maintained and serviced by a competent person to ensure warranty validity.