



Hardware Product Innovation of the Year



Sygno-fi Input Module (SYG-IM)

The SYG-IM Sygno-fi Input Module has a single fully monitored input circuit which allows simple integration of third party equipment with the fire system. The unit is fully compatible with all the Sygno-fi translator and expander modules and the adaptive radio signal processing algorithms ensure the highest levels of life safety and system reliability.

TECHNICAL DATA

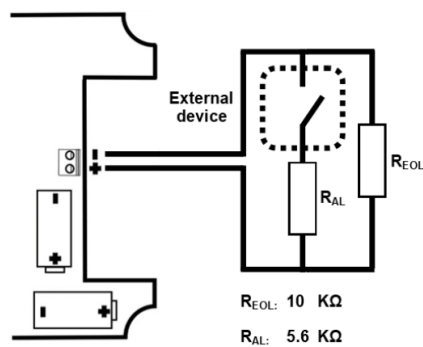
Operating frequency range	868 – 870 MHz
Max radiated power	14dBm (25mW)
Certified IP rating (EN54)	65
Designed to meet IP Rating	65
Cable entry knockout holes	6 x M16/20
Applicable wire gauge range	0.5mm to 2.5mm
Weight (without batteries)	221g
Loop power supply range	18Vdc – 40Vdc
Batteries	2x CR123A (3V & 1.2Ah)
Battery lifespan (typical)	10 years
Dimensions	136mm x 96mm x 57mm
Operating Temperature	-10°C to +55°C
Max humidity (non condensing)	95% RH
Alarm Supervision Resistor	5.6K
EOL Supervision Resistor	10K

KEY FEATURES

- Bi-directional wireless communication
- Input circuits are fully supervised for alarm and fault conditions (utilizing eol resistors)
- 22 pairs of field channels
- Dual channel redundancy
- Long communication range (≥ 1 km in open air)
- 10 year battery life
- Utilises dual low cost lithium battery
- Easy scan & link programming option
- 3rd party approval to EN54-18 and EN54-25
- 5 year product warranty

TECHNICAL INFORMATION

Electrical scheme for the connection of the input module to the external device which transmits the input signal to the module.



APPROVALS

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