



Hardware Product Innovation of the Year



Sygno-fi Output Module (SYG-OM)

The SYG-OM Sygno-fi Output Module has been designed to allow easy control of a variety of third party equipment including access control doors, ventilation plant and fire extinguishing systems.

The unit is powered entirely from its internal battery supply and is fitted as standard with both a set of change over relay contacts and a 12/24V de output. The output is capable of supplying power for operating low current third party equipment directly from the internal batteries.

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

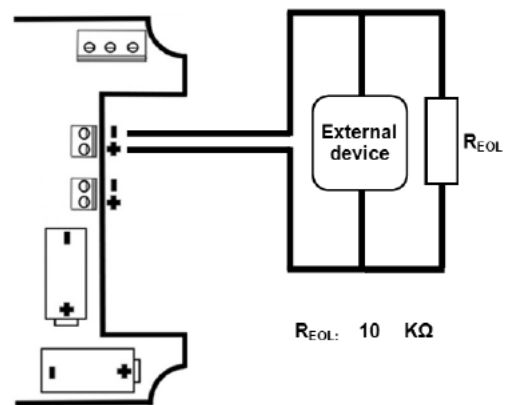
- Bi-directional wireless communication
- Output circuits are fully supervised for alarm and fault conditions (utilizing EOL resistors)
- Can be used with Sygno-fi addressable and conventional translators
- Change over relay and 12/24V output functionality
- On site programmable
- 22 pairs of field channels
- Dual channel redundancy
- Long communication range (≅ 1 km in open air)
- 5 year expected battery life (application dependent)
- Utilises dual low cost lithium battery
- Easy scan & link programming option
- 3rd party approval to EN54-18 and EN54-25
- 5 year product warranty

APPROVALS

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

CONNECTIONS & CONFIGURATIONS

Wiring example for 100mA/12 VDC or 50 mA/24 VDC external device driving capability.



Wiring example for the relay switch output.

