eurotech®
fire systems limited

Euro-fi Wireless Expander Module (EUW-EM-01)

The Euro-fi EUW-EM-01 Expander Module is compatible with all Euro-fi Wireless intelligent translators and the Euro-fi Conventional Expander.

The unit provides a convenient method to increase radio communication range beyond that possible from a single translator by relaying the radio communication to further expanders or directly to the wireless field devices. This functionality makes it possible to build large fully wireless systems or add wireless devices into areas where cabling for translators is difficult or impossible. All expanders are fully monitored ensuring the highest levels of life safety and reliability are maintained. When used with a dynamic translator multi path dynamic communications between translators and expanders is available.

TECHNICAL DATA

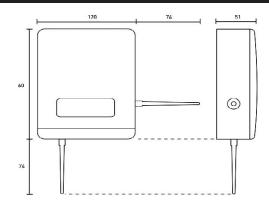|	
Operating frequency range	868 - 870 MHz
Power supply range	9Vdc - 30Vdc
Typical current consumption	15mA (@24Vdc)
Max radiated power	5dBm (3mW)
Operating frequency channels	7
Communication range with Translator/Expander module	≤ 250m (in open space)
Communication range with wireless field devices	≤ 150m (in open space)
Max. no. of devices (per Expander)	Refer to translator spec
Temperature range (no icing)	-10°C to +55°C
Max humidity (non condensing)	95% (RH)
IP rating	65
Weight	300g

KEY FEATURES

- Compatible with dynamic, static and conventional translators
- 3rd party Approval to EN54-18 and EN54-25
- Bi-directional wireless communication
- 5 year product warranty
- IP protection for mounting in challenging environments
- Low current consumption
- Supports full device intelligence
- Capability for 32 wireless field devices per expander
- Proven wireless technology

APPROVALS

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

TECHNICAL INFORMATION

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