

# PRODUCT DATASHEET - WIRELESS SINGLE CHANNEL INPUT MODULE



## WAVE-SENSE

Wireless Device

TI-002253

### DESCRIPTION

The Wave-Sense TI-002253 Wireless Module has been designed to provide a convenient and cost effective solution for monitoring third party equipment. The unit 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 Wave-Sense Translator and Expander modules and the well proven adaptive radio signal processing algorithms ensure the highest levels of life safety and system reliability.

### TECHNICAL SPECIFICATION

Operating frequency range	865 MHz
Max radiated power	5dBm (3mW)
Radio signal modulation type	FSK
Operating frequency channels	7
Communication range with the translator or the expander	≤ 150 m (in open space)
IP Rating	65
Max humidity (non condensing)	95% RH
Weight (without batteries)	210 g
Cable entry knockout holes	6 x M16/20
Applicable wire gauge range	0.5 mm <sup>2</sup> to 2.5 mm <sup>2</sup>
Weight (without batteries)	190 g
Primary battery	CR123A (3 V & 1.2 Ah)
Secondary battery	CR2032 (3 V & 0.24 Ah)
Primary battery life (typical)	5 years
Secondary battery life (typical)	2 months
Operating temperature range (no icing)	-10°C - +55°C

### STANDARDS & APPROVALS

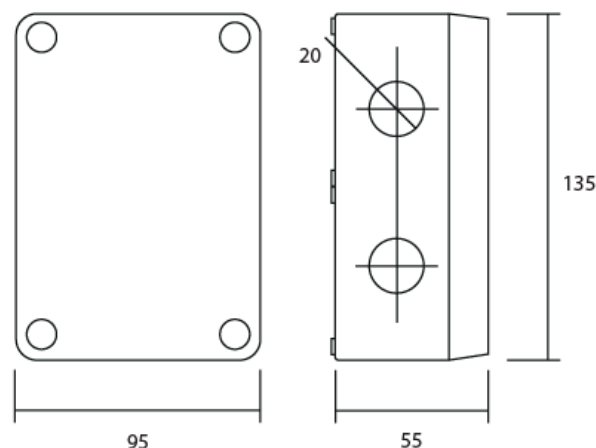
BS EN 54-18: Input / Output Devices

BS EN 54-25: Components using radio links & system requirements

### KEY FEATURES

- Designed and tested as per EN 54-18, EN 54-25, certified by IMQ
- 1 Year product warranty
- 3 Year battery life (in ideal operating condition)
- Self optimising wireless frequency and amplitude algorithms
- Bi Directional wireless communication
- Fully intelligent
- Input circuits are fully monitored for alarm and fault conditions
- Utilises dual low cost lithium battery

### TECHNICAL INFORMATION



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