

# FIREwave®

## Wireless Conventional Interface Module

### RSM-CIM



#### Features

- ▶ Bi-directional wireless communication
- ▶ Self-optimising wireless amplitude and frequency
- ▶ Automatic wireless channel hopping
- ▶ Fully intelligent
- ▶ High reliability and sensitivity
- ▶ Flexible on site device adjustment
- ▶ IP65 protection for exterior mounting
- ▶ Makes additions to existing wired systems easy and cost effective
- ▶ Requires external power supply for use as stand-alone zone

#### Description

The Hochiki Wireless Conventional Interface Module (RSM-CIM) is a device that interfaces wireless field devices on to a Conventional Fire Control Panel (FCP) via the radial Zone circuit (for Detectors, Manual Call Points and Input Modules) and one of the radial Sounder circuits (for all Audio-Visual devices). The RSM-CIM is powered from an external 24 V dc supply. Full monitoring and control of the wireless field devices is possible. Communication between the RSM-CIM, additional Expander Modules (RSM-EXP) (if fitted) and field devices is wireless via a bi-directional, analogue-intelligent protocol.

Ordering Code	RSM-CIM
Loop power supply range	15 V dc – 27 V dc
Typical current consumption	20 mA (@24 V dc)
Operating frequency range	868.15 MHz - 869.85 MHz
Max radiated power	5 dBm (3 mW)
Radio signal's modulation type	Frequency Shift Keying
Operating frequency channels	7
Communication range with the Expander Module <sup>A</sup>	≤ 250 m (in open space)
Communication range with wireless field devices <sup>A</sup>	≤ 150 m (in open space)
Maximum number of child devices (per CIM)	32 <sup>B</sup>
Maximum number of child Expander Modules	7 <sup>C</sup>
Temperature range	-30 °C to 50 °C
Humidity range (non-condensing)	5% to 95% (Relative Humidity)
IP rating	65
Cable entry knockout holes specifications	4 x M16/20
Applicable wire gauge range	from 0.5 mm <sup>2</sup> to 2.5 mm <sup>2</sup>
Dimensions (mm)	H160 (240 with antenna) x W120 (200 with antenna) x D50
Weight	330 g

<sup>A</sup>dependant on time period between wireless signal transmissions

<sup>B</sup>Ideal operating range: may vary according to environmental conditions. <sup>B</sup>Maximum of 16 output devices (AV devices). <sup>C</sup>Maximum of 5 child Expander Modules connected in cascade. Maximum of 3 child Expander Modules connected directly to the CIM or to another child Expander Module.

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