

FIREwave®

Wireless Conventional Interface Module

RSM-CIM-AS



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
- ▶ IP68 protection for exterior mounting
- ▶ Makes additions to existing wired systems easy and cost effective
- ▶ Requires external power supply for use as stand-alone zone
- ▶ Compliant with AS4428.9
- ▶ SAI Global Approved

Description

The Hochiki Wireless Conventional Interface Module (RSM-CIM-AS) 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-AS is powered from an external 9-30 V dc supply. Full monitoring and control of the wireless field devices is possible. Communication between the RSM-CIM-AS, additional Expander Modules (RSM-EXP-AS) (if fitted) and field devices is wireless via a bi-directional, analogue-intelligent protocol.

Ordering Code	RSM-CIM-AS
Loop power supply range	9 V dc – 30 V dc
Typical current consumption	20 mA (@24 V dc)
Operating frequency range	916 MHz
Max radiated power	5 dBm (3 mW)
Radio signal's modulation type	Frequency Shift Keying
Operating frequency channels	6
Communication range with the Expander Module ^A	≤ 200 m (in open space)
Communication range with wireless field devices ^A	≤ 100 m (in open space)
Maximum number of child devices (per CIM)	32 ^B
Maximum number of child Expander Modules	7 ^C
Temperature range	-30 °C to 50 °C
Humidity range (non condensing)	5% to 95% (Relative Humidity)
IP rating	IP51C
Cable entry knockout holes specifications	4 x M16/20
Applicable wire gauge range	from 0.5 mm ² to 2.5 mm ²
Dimensions (mm)	H160 (240 with antenna) x W120 (200 with antenna) x D50
Weight	330 g

^AIdeal operating range: may vary according to environmental conditions. ^BMaximum of 16 output devices (AV devices).

^CMaximum 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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