

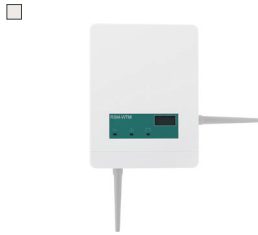
FIREwave

Hybrid Wireless Fire Detection

Hochiki's FIREwave system raises wireless fire detection and alarm systems to new levels of reliability and flexibility. The hybrid system utilises the latest wireless technology to provide rapid, yet economic wireless fire system installations with the minimum of disturbance to the surroundings. Ideal for historic buildings, remote sites and any project where the installation of fire cabling is difficult, overly expensive or prohibited.

www.hochikieurope.com/firewave

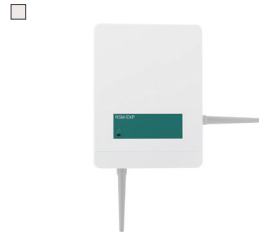




RSM-WTM

A Wire to Wireless Translator Module which allows a wireless fire detection system to be interfaced directly onto the loop. Fully loop-powered, the unit can support up to 32 wireless devices* and up to 7 RSM-EXP Expander Modules**.

- ▶ Loop Powered
- ▶ Bi-directional wireless communication
- ▶ 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
- ▶ LPCB approved
- ▶ Self optimising wireless amplitude and frequency.

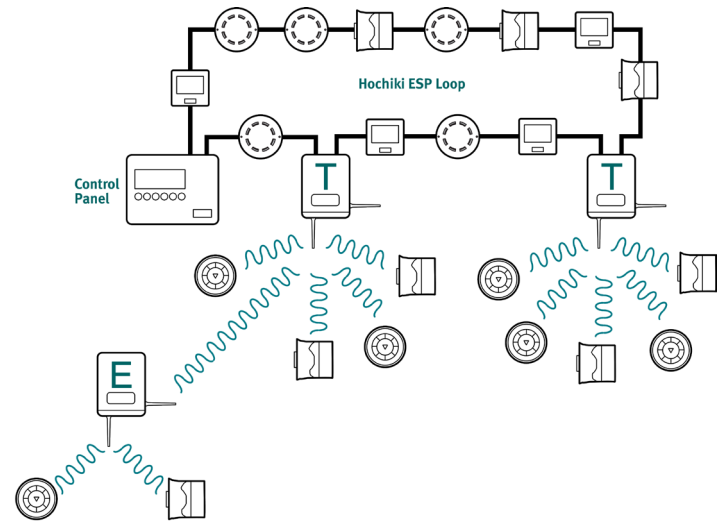


RSM-EXP

A Wireless Expander Module which allows extended signal coverage for the wireless system by boosting signal strengths from translators, to cover larger buildings for example. Up to 7 RSM-EXP Expander Modules** can be supported by a single RSM-WTM Wireless Translator Module.

- ▶ Bi-directional wireless communication
- ▶ 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 (24 VDC)
- ▶ LPCB approved
- ▶ Self optimising wireless amplitude and frequency.

SYSTEM ARCHITECTURE



The RSM-WTM Translator Module (T) is fitted to the analogue addressable fire system loop. It then provides an interface between the loop and the wireless devices. The module is fully powered by the loop and full control and monitoring of the wireless devices is possible through the control panel.

The RSM-EXP Expander Module (E) allows the wireless system to provide greater coverage by receiving and re-transmitting the boosted wireless signal.

*Maximum number of 16 output devices such as A/V or output modules.

**Maximum of 5 child Expander Modules connected in cascade or a maximum of 3 child Expander Modules connected directly to the Translator Module or another Expander Module



RSM-CIM

A Wireless Conventional Interface Module which allows a zone of wireless devices to be added to an existing conventional zone (or as a stand-alone zone). The zone is wired directly to the RSM-CIM which is then in turn supported by an RSM-EXP Expander Module.

- ▶ Bi-directional wireless communication
- ▶ 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
- ▶ Self optimising wireless amplitude and frequency.



RSM-IP

A Wireless Single Channel Input Module which allows the on/off status (alarm/fault) of an external device to be transmitted to a control panel wirelessly via an RSM-CIM, RSM-EXP or RSM-WTM.

- ▶ Latching Input circuits are monitored for fire and fault conditions
- ▶ Bi-directional wireless communication
- ▶ Automatic wireless channel hopping
- ▶ Fully intelligent
- ▶ High reliability and sensitivity
- ▶ Flexible on site device adjustment
- ▶ Makes additions to existing wired systems easy and cost effective
- ▶ Self optimising wireless amplitude and frequency.



RSM-POM

A Wireless Powered Output Module which allows the control panel to activate/switch the circuits of an external device or system wirelessly via an RSM-CIM, RSM-EXP or RSM-WTM. The unit's contacts can be configured to be normally open or normally closed and switch at 30 VDC/125 VAC at 2 A. The unit can be configured to provide either a 12 VDC or a 24 VDC output.

- ▶ Contacts can be configured as N/O or N/C
- ▶ Selectable output - 12 VDC or 24 VDC
- ▶ Bi-directional wireless communication
- ▶ Automatic wireless channel hopping
- ▶ Fully intelligent
- ▶ High reliability and sensitivity
- ▶ Flexible on site device adjustment
- ▶ Makes additions to existing wired systems easy and cost effective
- ▶ Self optimising wireless amplitude and frequency.



RSM-CP

A Wireless Resettable Manual Call Point which features a simulated glass front. When activated, a plastic 'flag' is displayed in the window of the unit; the supplied key will reset the flag and unit. Supplied with back box. Weatherproof housing also available

- ▶ Bi Directional wireless communication
- ▶ Fully intelligent
- ▶ Utilises standard low cost lithium battery technology
- ▶ Long battery life
- ▶ Resettable Element
- ▶ Clear 'device activated' warning flag
- ▶ High reliability
- ▶ Automatic channel hopping
- ▶ Self optimising wireless amplitude and frequency.



ROP-E

A **Wireless Dual Optical Smoke Detector** designed for open area protection and utilises dual-path optical smoke detection technologies and algorithms for improved performance, whilst maintaining the high levels of unwanted alarm rejection. Utilising wellproven adaptive radio signal processing algorithms ensure the highest levels of life safety and system reliability are achieved. An in-built magnet test allows easy activation to verify correct functionality and response.

- ▶ Advanced dual path optical chamber design
- ▶ Internal algorithm processing optimises performance
- ▶ 3rd party approved
- ▶ Up to 10 year battery life
- ▶ Utilises standard low cost lithium battery technology
- ▶ Bi-directional wireless communications
- ▶ Compatible with all FIREwave Translators and Expanders
- ▶ 5 year product warranty
- ▶ Device identification tab
- ▶ Dual angle scattering analysis
- ▶ Fast test feature for engineer testing.



RHT-E

A **Wireless Class P Heat Detector** designed for open area protection giving the best possible warning of a fire condition in locations where smoke detection technology is not suitable. The well-proven adaptive radio signal processing algorithms ensure the highest levels of life safety and system reliability are achieved. An in-built magnet test allows easy activation to verify correct functionality and response.

- ▶ Twin alarm LEDs for 360 deg visibility
- ▶ Internal algorithm processing optimises performance
- ▶ 3rd party approved
- ▶ Utilises standard low cost lithium battery technology
- ▶ Bi-directional wireless communications
- ▶ Multiple sensitivity settings
- ▶ Device identification tab.



RMC-E

A **Wireless Multi-Criteria Detector** designed for open area protection and combines both dual-path smoke and heat detection technologies for improved performance, whilst maintaining the high levels of unwanted alarm rejection. Utilising well-proven adaptive radio signal processing algorithms ensures that the highest levels of life safety and system reliability are achieved. An in-built magnet test allows easy activation to verify correct functionality and response.

- ▶ Advanced dual path optical chamber design
- ▶ Internal algorithm processing optimises performance
- ▶ 3rd party approved
- ▶ Utilises standard low cost lithium battery technology
- ▶ Multiple smoke and heat sensitivity setting
- ▶ Bi-directional wireless communications
- ▶ Complies with the latest multi-sensor standard EN 54-295 year product warranty
- ▶ Device identification tab
- ▶ Twin alarm LEDs for 360° visibility.



HFC-SBR-23-03

A **Wireless Weatherproof Wall Sounder VAD** The HFC-SBR-23-03 Wall Sounder VAD forms the core of our wireless EN54-23 modular visual alarm device (VAD) range. The unit comes with a wireless module HFV-SIM-01 which requires fitting into the Wall Sounder VAD back box. The HFC-SBR-23-03 is weather proof as standard and is equipped with 3 levels of volume adjustment, high output LED beacon and 32 recognised tones which can be set locally at the sounder.

- ▶ Flexible modular design
- ▶ Approved to EN54-3 and EN54-23 (W-2.5-7)
- ▶ 32 Tone Settings
- ▶ Two stage alarm capability
- ▶ Weatherproof as standard
- ▶ Easy to install
- ▶ Can be configured as Beacon only
- ▶ Microphone self test facility
- ▶ Also available in White.



HFC-WSR-03

Wireless Weatherproof Wall Sounder

The HFC-WSR-03 Wall Sounder forms the core of our wireless EN54-3 modular alarm device range. The unit comes with a wireless module HPW-SIM-01 which requires fitting into the Wall Sounder back box. The HFC-WSR-03 is weather proof as standard and is equipped with 3 levels of volume adjustment and 32 recognised tones which can be set locally at the sounder.

- ▶ Flexible modular design
- ▶ Approved to EN54-3
- ▶ 32 Tone Settings
- ▶ Two stage alarm capability
- ▶ Weatherproof as standard
- ▶ Easy to install
- ▶ Microphone self test facility
- ▶ Also available in white.



HFW-BS-05

A Wireless Base Sounder unit is an aesthetically pleasing and cost effective alternative to traditional wall mounted sounder units where visual impact is important. Each unit has an integral moulded base for mounting a FIREwave detector (ROP-E, RMC-E, RHT-E) or a sounder cover if a detector is not required. The unit has as standard 32 recognised sounder tones and 2 levels of volume adjustment, all of which can be easily configured on site. Powered by standard lithium batteries and utilising well proven adaptive radio signal processing algorithms ensure the highest levels of life safety and reliability.

- ▶ 2 volume levels
- ▶ Approved to EN54-25 and EN54-03
- ▶ Bi-directional wireless communication
- ▶ Utilises dual low cost standard lithium batteries
- ▶ Choice of 32 recognised tones
- ▶ Compatible with all FIREwave Translators and expanders
- ▶ Integral detector base
- ▶ Base adaptor available to allow older sensors to be fitted to new sounder bases.



HFW-BSB-05

A Wireless Base Sounder Beacon is an aesthetically pleasing and cost effective alternative to traditional wall mounted units where visual impact is important. Each unit has an integral moulded base for mounting a FIREwave wireless detector (ROP-E, RMC-E, RHT-E) or a sounder cover if a detector is not required. The unit has as standard 32 recognised sounder tones and 2 levels of volume adjustment, all of which can be easily configured on site. Additional to the audible warning the unit is also fitted with a Red LED visual indicator for added warning capability. Utilising well-proven adaptive radio signal processing algorithms ensures the highest levels of life safety and reliability.

- ▶ 3rd party approval to EN54-25 and EN54-03
- ▶ Bi-directional wireless communication
- ▶ Utilises dual low cost standard lithium batteries
- ▶ Choice of 32 recognised tones
- ▶ Additional red LED visual indicator
- ▶ 2 volume levels
- ▶ Base adaptor available to allow older sensors to be fitted to new sounder bases.



HFW-DHR-01

A wireless magnetic door holder is compatible with all of the FIREwave Wireless Translator and Expander Modules enabling it to be easily integrated into a new or existing wireless system, linked to any wired system or even used as a standalone system. Its fully wireless and battery powered capability means it requires no wiring or power supply, making installation quick, easy and cost effective.

- ▶ Approved to BS EN 1155
- ▶ Easy and Fast installation
- ▶ Local door release button
- ▶ 5 year battery life
- ▶ Utilises standard low cost lithium battery technology
- ▶ Bi-directional wireless communications
- ▶ A Fail Safe monitoring to BS 7273 - 4:2015 cat. A, B & C
- ▶ High holding force
- ▶ A Door closed monitoring option.



REPLACEMENT BATTERIES

Primary Battery

Spare Primary Battery (pack of 10)

Secondary Battery

Spare Secondary Battery (pack of 10)