

Climax F1 Security@2km Alarm System Series



Matchless Range, Matchless Protection

F1 Security@2km Alarm System Series

World-Leading Communication Range and Reliability



F1 Security@2km Series of alarm systems introduces a powerful generation of control panels and devices delivering unprecedented radio frequency (RF) communication range of 2 kilometers (1.5 miles) and an impressive array of premium features. A major breakthrough in RF wireless technology has both vastly extended the F1 Security@2km Series' communication range and sustained the systems' reliability. An optimum combination of record-breaking RF range, relentless reliability, and remarkable battery lifetime, the F1 Security@2km Series is designed to revolutionize the way you experience security.

Groundbreaking 2-Km Communication Range

- Optimized bandwidth allocation creates RF range of 2 km/1.5 miles.
- Unique antenna design to maximize receiver sensitivity ensure precise transmission and reception of signals.
- Extensive RF range gives the installer immense flexibility and advantages to deploy F1 panels and devices on large or complicated premises.

*The F1 systems' RF communication range is 2 km/1.5 miles at 2 m/6.6 ft.

Uncompromising Reliability and Security

- Unique ATAE technology guarantees the reliability of system communication by enhancing frequency stability.
- Innovative treatment alleviates temperature and aging effects on RF devices to eliminate frequency shifts and missed signals.
- "Attack Shield" encryption protocol protects signal transmission and pre-empts attempts to decipher or steal messages.

Total Control from the Monitoring Center and User

- Home Portal Server enables the monitoring center to remotely manage, program, maintain, and upgrade the F1 control panels and all accessories.
- Users can remotely control and monitor from smartphone or tablet via app

Speedy Response and Longer Battery Life

- Fast RF transmission mechanism sends messages to control panels speedily without increasing power consumption.
- Efficient signal transmission allows battery life to last longer and reduces maintenance costs.

F1 Control Panels

Making a Real Difference in Your Security World

The F1 Security@2km Series alarm systems include the M Series, HMGW, HSGW, HSVGW, HSVGW, HPGW, and VL Touchscreen Alarm control panels. Now capable of protecting vast areas of two-kilometers long with enhanced reliability, these versatile alarms boasting cutting-edge smart home features are poised to bring about a multi-dimensional transformation of your security landscape.



- Multiple Communication & Reporting Paths
- Home Intrusion Security Alarm Reporting
- Real-time Visual Monitoring Solution
- 24/7 Home Emergency Monitoring
- ZigBee & Z-Wave Advance Home Automation
- Energy management
- Remote Management via Home Portal Server and smartphone app



Feature	MZ	ML	HMGW	HSGW	HSVGS	HPGW	VL
Touchscreen							✓
LCD Display		✓					
Communication Path	IP Ethernet, 3G	IP Ethernet, 3G	IP Ethernet	IP Ethernet, 3G/LTE	IP Ethernet, 3G/LTE	IP Ethernet, 3G/LTE	IP Ethernet
Built-in Module Options	RF, ZigBee	RF, ZigBee	RF, ZigBee or Z-Wave	RF, ZigBee, Z-Wave	RF, ZigBee, Z-Wave	RF, ZigBee, Z-Wave, DECT	RF, ZigBee
Optional Expansion via USB Dongle or Slot			WiFi, Z-Wave	WiFi, Z-Wave	WiFi, Z-Wave	WiFi, Z-Wave	WiFi, Z-Wave, 3G/LTE
Wireless Zones	50	50	160	160	160	160	160
Reporting Method	CID/SIA, Email, SMS, Push	CID/SIA, Email, SMS, Push	CID/SIA, Email, SMS, Push	CID/SIA, Email, SMS, Push	CID/SIA, Email, SMS, Push	CID/SIA, Email, SMS, Push	CID/SIA, Email, SMS, Push
Programming Method	SMS, Web, App	SMS, Web, App	Web, App	Web, App	Web, App	Web, App	Web, App
Voice Over IP (VOIP)					✓	✓	✓
Two-Way Voice					✓	✓	✓
Built-in Siren	✓	✓	✓	✓	✓	✓	✓
Battery Backup Time	12hrs*	14hrs*	9hrs*	6.5hrs or 13hrs*	15hrs*	12hrs*	TBC
Visual Verification	✓	✓	✓	✓	✓	✓	✓
Home Automation	✓	✓	✓	✓	✓	✓	✓
Energy Management	✓	✓	✓	✓	✓	✓	✓
24/7 Emergency Monitoring	✓	✓	✓	✓	✓	✓	✓
DECT Devices Support						✓	✓
Remote Management via Mobile App & PC	✓	✓	✓	✓	✓	✓	✓

F1 Complete Visual Verification

Climax's next generation PIR motion sensor camera leverages F1 technology with long RF communication range, enhanced data transfer speed, and advance dynamic speed adjustment algorithms, to make your home or business safer and smarter.



- Wide camera field of view leaves no blind spots
- Captures color VGA/QVGA images when irregular motion is detected
- Infrared illumination light for enhanced night vision (optional)
- 27-kilo (59lb) pet immunity eliminates false alarms caused by pets (optional)















F1 Accessories

Exceptional Range, Exceptional Efficiency

- 2-KM Long Communication Range
- Fast Signal Transmission
- Long Battery Life
- Secure Message Encryption
- Narrow-band 868 and 433 Frequencies (other frequencies available upon request)



Accessory	Available Models
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 IRC-29-F1	Motion Detector	IR-9SL-F1, IR-16SL-F1, IR-29-F1, IRM-23F1, IRC-29-F1
 IRP-16SL-F1	Pet-Immune Motion Sensor	IRP-9SL-F1, IRP-16SL-F1, IRP-29-F1, IRMP-23-F1
 RC-15-F1	Remote Control	RC-15-F1, RC-16-F1, RC-23-F1
 MDC-1-F1	Door Contact	DC-9SL-F1, DC-15SL-F1, DC-16SL-F1, DC-18SL-F1, DC15R3-F1
 SRAC-23-F1	Siren	SR-15-F1, SRAC-23-F1, SR-32-F1, BX-15-F1, BX-23-F1, BX-32-F1
 WTRQ-F1	Emergency Pendant/ Wrist Transmitter	WTRQ-F1
 SD-8EL-F1	Smoke Detector	SD-8EL-F1, SD-16-F1
 CO-8-F1	Carbon Monoxide Detector	CO-8-F1
 WS-15-F1	Water Sensor	WS-15-F1
 HD-9-F1	Heat Detector	HD-9-F1
 PB-23-F1	Panic Button	PB-7-F1, PB-15-F1, PB-23-F1
 KP-23-F1	Remote Keypad	KP-23-F1, KP-29-F1, TG-15-F1
 UT-15SL-F1	Transmitter	UT-15SL-F1
 SVGS-1-F1	Shock, Vibration & Glassbreak Sensor	SVGS-1-F1