



## ESGW EasySmart Gateway Series

**A Smart Way of Living Green and Saving Smart**

# ESGW EasySmart Gateway Series

## Compact and Smart Security System



The ESGW features optional Wi-Fi capabilities.



The ESGW EasySmart Gateway Series is a compact, lightweight panel, incorporating F1 technology for extended communication range, as well as ZigBee or Z-Wave protocols for home automation. Additionally, the gateway series now support rechargeable battery packs, making it suitable for security usage. The multipurpose ESGW further protects homes with 24-hour emergency monitoring and visual verification solutions.

This gateway series with optional built-in Wi-Fi connectivity delivers cost-effective installation flexibility and its capacity to integrate ZigBee/Z-Wave repeaters can create extensive communication range to serve large or complex premises.

Adopting IP communications and connecting to Home Portal Server, Climax's IP/GPRS-based platform, the ESGW enables users to control homes from anywhere in the world via mobile devices or PCs. The iOS and Android versions of the Vesta Home App are developed for users to manage the ESGW's services from smartphones or tablets anytime. With the ESGW smart living cannot be easier.

**160**

The ESGW provides two areas and 160 zones.



The ESGW features optional Wi-Fi capabilities to maximize installation flexibility.



ZigBee/Z-Wave home automation creates comfort and convenience.



F1 technology allows the gateway to work with RF sensors, creating more options for the security system.



Real-time visual monitoring gives you peace of mind and prevents false alarms.



The ESGW's app enables you to control home anytime from a mobile device.

# F1 Technology

*World-Leading RF Range, Powerful Penetration, and Super Reliability*

The ESGW gateway delivers unprecedented radio frequency (RF) communication range of 2 kilometers (1.5 miles) and an impressive array of premium features. A major breakthrough in Climax's RF wireless technology has both massively extended the F1 systems' communication range and bolstered the systems' reliability. An optimum combination of record-breaking RF range, relentless reliability, and remarkable battery lifetime, the F1-generation systems are ingeniously designed to revolutionize the way you experience security.



## Groundbreaking 2-Km Communication Range

Extensive RF range endows the panel with immense flexibility and advantages, capable of deployment on large or complicated premises.



## Uncompromising Reliability and Security

The technology ensures reliable communication by improving frequency stability, and securing transmission with encryption to prevent unauthorized access.



## Speedy Response

Efficient signal transmission enables quick and reliable performance.



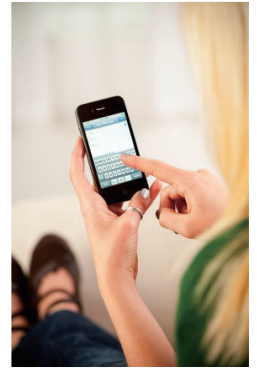
## Longer Battery Life

Optimized transmission conserves battery life, reducing the need for frequent replacements and lowering maintenance costs.

# ZigBee/Z-Wave Home Automation

## *Tailoring the ESGW to Meet the Needs of Your Family*

The ESGW incorporates ZigBee/Z-Wave accessories to automate your home and enhance your life quality. Lights and domestic appliances are turned on/off according to temperature settings, custom schedules/scenes, security status, and group/zone settings for users' comfort, convenience, and safety. After school your kids can always return to a well-lit and warm home. At night your water heater is punctually turned off when hot water is no longer needed. You can easily tailor the ESGW's services to meet your family's needs anytime via the Vesta Home App on a smartphone or tablet.



### Lighting Control

Lights in specified areas in your house are automatically turned on/off or dimmed for ambience or security according to custom schedules and scenes. You can also control household lighting from a mobile device wherever you are.



### Temperature Settings



Thermostats turn on/off the heating and air-conditioning systems in your house according to temperature settings as well as support indoor air quality solutions like humidification, dehumidification, and ventilation.

### Custom Schedules/Scenes



Custom schedules and scenes command the ESGW to perform specific services on a particular day, at an appointed hour, or in a predefined circumstance.

### Security Status



When the ESGW's security status changes, for example, from "disarmed" to "armed" or vice versa, the system's functions and accessories will respond as programmed.

### Group/Zone Settings



Users can divide sensors/devices into various groups and configure these groups' response in different circumstances. Users can also program the response of sensors based on the zones in which they are located.

# ZigBee/Z-Wave Energy Management

*A Simple Way to Make Life More Enjoyable and Less Expensive*



Whole-house energy meters integrated into the ESGW inform you about how much electricity your entire household uses, while a variety of ZigBee/Z-Wave devices such as power switches, power meter switches, and dimmer switches enable you to control or monitor the power consumption of individual home appliances. You can read all the energy data collected by the ESGW's power metering system. The clear knowledge of whole-house electricity consumption will help you develop a useful strategy to reduce energy bills. The ESGW's temperature control solution is another effective way to save energy. By incorporating temperature sensors, temperature and humidity sensors or thermostats, the ESGW can turn on/off electric appliances when temperatures rise above or drop below the set points.

## Climax's Energy-Saving ZigBee/Z-Wave Accessory Family

Power Switch and  
Power Relay Switch



Power Meter Switch



Power Meter plus Relay  
Switch



Dimmer Switch



Thermostat



Temperature Sensors

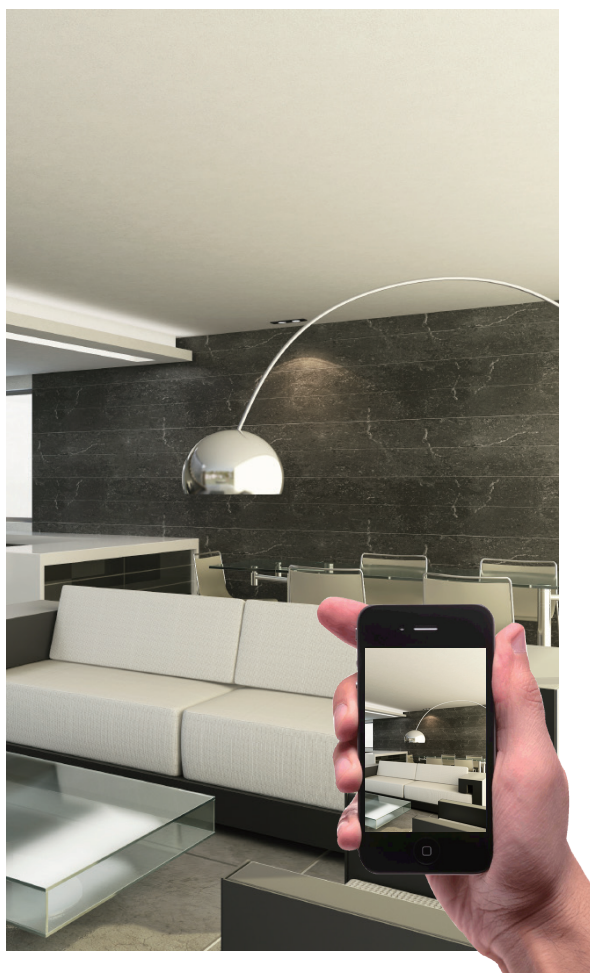


# Visual Verification and Emergency Monitoring

*Your Home Is Always in Sight and Disaster Proof*

## A Total Visual Monitoring Solution

Indoor/outdoor PIR cameras, PIR video cameras, and IP cameras can be incorporated in the ESGW system for visual verification and real-time visual monitoring. PIR cameras snap images and PIR video cameras record a video or capture images when an alarm occurs. IP cameras allow users to view monitored areas live. Instant alarm alerts are sent to users and the CMS for them to verify what is happening by viewing alarm videos/images or live video on mobile devices or PCs.



VST-1818 R3  
IP Camera



VST-892  
PIR Camera  
Motion Detector



VST-892EX  
PIR Outdoor Camera  
Motion Detector

## 24-Hour Emergency Monitoring.

ESGW system can incorporate smoke detectors, water sensors, carbon monoxide detectors, and heat detectors to protect your family and property from damage caused by fire, water or air toxics. The ESGW's 24-hour attribute can set these devices in 24-hour mode, which allows the devices to trigger alarms whatever the system status. This round-the-clock monitoring ensures comprehensive prevention of disasters and quick response in emergencies.

With its built-in alarm interconnection capability the ESGW can trigger all connected sensors with interconnection functionality to activate warning sirens when emergencies occur. By spreading audible alerts across the protected premises, the ESGW greatly enhances early warning and the chance of escape.



## Climax's Emergency Monitoring Sensors



SD-32  
Smoke Detector



SDCO-1  
Carbon Monoxide Detector



WLS-23  
Water Leakage Sensor

# Remote and Mobile Control

## Home Portal Server and Vesta Home App



### Controlling the ESGW via Home Portal Server

Home Portal Server, Climax's high-capacity IP/GPRS platform, enables the CMS to remotely manage the ESGW and serve customers. With this platform the CMS can carry out the following activities.

#### Visual Verification

- View real-time images/videos or live video when alarms occur
- Use visual verification to reduce fines and wasted resources caused by false alarms
- Send alarm alerts to customers via MMS messages, emails or push notifications and prompt them to view alarm images/videos on mobile devices or PCs

#### Home Automation

- Remotely control and monitor customers' home appliances for their comfort
- Enable customers to manage home appliances by themselves via mobile devices or PCs

#### Energy Management

- Monitor customers' domestic energy consumption to strategically boost energy efficiency and reduce electricity bills

#### Remote Monitoring

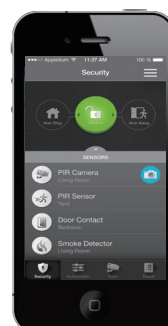
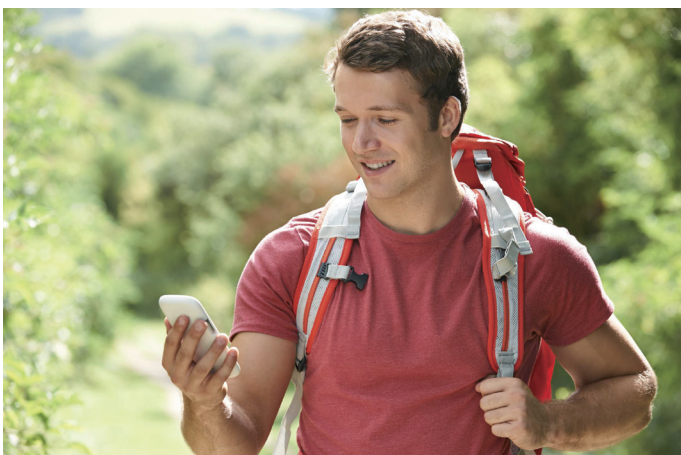
- Remotely monitor and handle control panels, devices, events, areas, etc. via user-friendly administration dashboards

#### Easy Programming and Maintenance

- Conveniently program, maintain, and upgrade alarm systems through intuitive interfaces

### Controlling the ESGW via the Vesta Home App

The end user can download the Vesta Home App from the App Store or the Google Play Store to manage the ESGW, receive event reports, and view alarm videos/images on a smartphone or tablet.



# ESGW Features and Specifications



| Zone Information                                 |                                                                                                |
|--------------------------------------------------|------------------------------------------------------------------------------------------------|
| Zones                                            | 160                                                                                            |
| Areas                                            | 2                                                                                              |
| Alarm Reporting                                  |                                                                                                |
| Communications path                              | IP                                                                                             |
| Modified CID/SIA reporting                       | Over IP                                                                                        |
| Compatible Devices/Services                      |                                                                                                |
| Climax's and other manufacturers' ZigBee devices | Yes                                                                                            |
| Climax and other manufacturers' Z-Wave devices   | Yes                                                                                            |
| F1 Protocol                                      | Yes                                                                                            |
| Built-in Wi-Fi                                   | Optional                                                                                       |
| Home Portal Server                               | Yes                                                                                            |
| Vesta Home App                                   | Yes                                                                                            |
| System Capabilities                              |                                                                                                |
| Home automation                                  | Yes                                                                                            |
| Energy management                                | Yes                                                                                            |
| 24-hour emergency monitoring                     | Yes                                                                                            |
| Visual verification                              | Yes                                                                                            |
| 3 "home armed" modes                             | Yes                                                                                            |
| Interconnection of alarm sirens                  | Yes                                                                                            |
| Web & app programming                            | Yes                                                                                            |
| Event log                                        | 500                                                                                            |
| Remote firmware update                           | Yes                                                                                            |
| Specifications                                   |                                                                                                |
| Communications protocol(s)                       | ZigBee Pro HA 1.2 or Z-Wave 500                                                                |
| Power supply                                     | 100-240V (50/60Hz), DC 9V/1A power adapter                                                     |
| Rechargeable battery pack                        | 600 mAH, AAA NiMH Battery Pack x 4 (for ESGW-15/18 models)                                     |
| Battery life                                     | 6 hours (for ESGW-15/18 models)                                                                |
| Operating temperature                            | -10°C to +45°C                                                                                 |
| Operating humidity                               | Up to 85% non-condensing                                                                       |
| Dimensions                                       | 114mm x 77mm x 33mm                                                                            |
| Compliance listings                              | CE 0681 (R&TTE Directive) / EN 300220-1&2 / EN300328 / EN301489-1&3&17 / EN 60950-1 / EN 62311 |

\* Note: Actual battery life may vary with product settings, operating environment, and usage patterns.

## Ordering Information

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|                        |                                                                                                |
|------------------------|------------------------------------------------------------------------------------------------|
| <b>ESGW-1ZBS-WIFI</b>  | IP gateway with a built-in ZigBee module and Wi-Fi capabilities, without battery pack          |
| <b>ESGW-1ZBS</b>       | IP gateway with a built-in ZigBee module, without battery pack                                 |
| <b>ESGW-1ZW-WIFI</b>   | IP gateway with a built-in Z-Wave module and Wi-Fi capabilities, without battery pack          |
| <b>ESGW-1ZW</b>        | IP gateway with a built-in Z-Wave module, without battery pack                                 |
| <b>ESGW-15ZBS</b>      | IP gateway with a built-in RF, ZigBee module, and rechargeable battery pack                    |
| <b>ESGW-15ZW</b>       | IP gateway with a built-in RF, Z-Wave module, and rechargeable battery pack                    |
| <b>ESGW-18ZBS-WIFI</b> | IP gateway with a built-in RF, ZigBee module, Wi-Fi connections, and rechargeable battery pack |
| <b>ESGW-18ZW-WIFI</b>  | IP gateway with a built-in RF, Z-Wave module, Wi-Fi connections, and rechargeable battery pack |