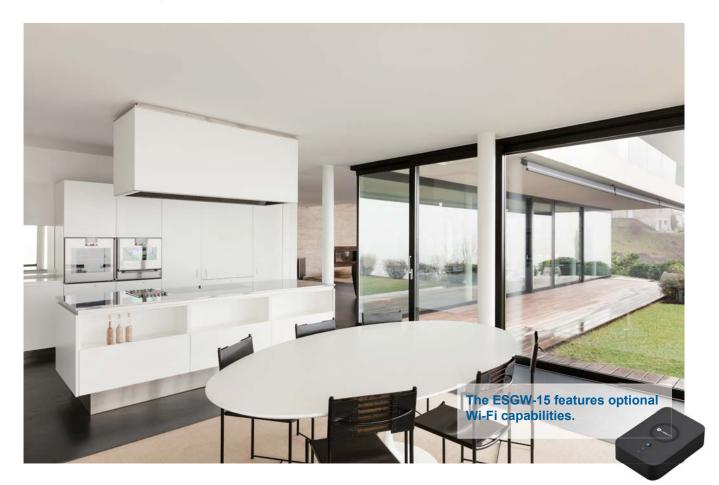**ESGW-15 EasySmart Gateway**

A Smart Way of Living Green and Saving Smart

Climax

ESGW-15 EasySmart Gateway Series

A Life-Transforming Z-Wave Innovation

The ESGW-15 features optional Wi-Fi capabilities.

The ESGW-15 EasySmart Gateway Series introduces Z-Wave home automation and energy management services designed for users to live green and save smart in the age of increasing economic and energy challenges. The multipurpose ESGW-15 further protects homes with 24-hour emergency monitoring and visual verification solutions. This gateway series with optional Wi-Fi via a USB dongle connectivity delivers cost-effective installation flexibility and its capacity to integrate Z-Wave repeaters can create extensive communication range to serve large or complex premises.

Adopting IP communications and connecting to SmartHomeSec Server, Vesta's IP/GPRS-based platform, the ESGW-15 enables users to control homes from anywhere in the world via mobile devices or PCs. The iOS and Android versions of the SmartHomeSec App are developed for users to manage the ESGW-15's services from smartphones or tablets anytime. With the ESGW-15 smart living cannot be easier.

160 The ESGW-15 provides two areas and 160 zones.

wireless The ESGW-15 features optional Wi-Fi capabilities to maximize installation flexibility.

Automation Z-Wave home automation creates comfort and convenience.

Z-Wave energy management allows you to reduce power consumption and save smart.

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

APP The ESGW-15's app enables you to control home anytime from a mobile device.

Z-Wave Home Automation

Tailoring the ESGW-15 to Meet the Needs of Your Family

The ESGW-15 incorporates 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-15's services to meet your family's needs anytime via the SmartHomeSec 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-15 to perform specific services on a particular day, at an appointed hour, or in a predefined circumstance.

Security Status

When the ESGW-15'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.

Z-Wave Energy Management

A Simple Way to Make Life More Enjoyable and Less Expensive

Whole-house energy meters integrated into the ESGW-15 inform you about how much electricity your entire household uses, while a variety of 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-15'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-15's temperature control solution is another effective way to save energy. By incorporating temperature sensors, temperature and humidity sensors or thermostats, the ESGW-15 can turn on/off electric appliances when temperatures rise above or drop below the set points.

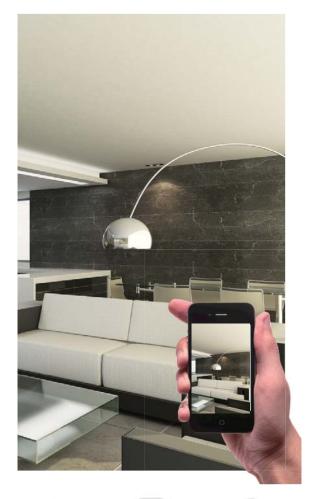## Vesta's Energy-Saving Z-Wave Accessory Family

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 IP cameras, PIR cameras, and PIR video cameras can be incorporated in the ESGW-15 system for visual verification and real-time visual monitoring. PIR cameras snap 1, 3 or 6 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.
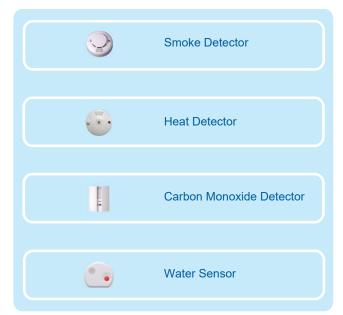
24-Hour Emergency Monitoring

Vesta/Z-Wave's smoke detectors, water sensors, carbon monoxide detectors, and heat detectors can be installed in the ESGW-15 system to protect your family and property from damage caused by fire, water or air toxics. The ESGW-15'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-15 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-15 greatly enhances early warning and the chance of escape.

The VST-892 PIR motion sensor camera, the VST-892EXC PIR outdoor curtain motion sensor camera, and the VST-1818 R3 Smart IP camera deliver alarm videos/images and live video to monitoring personnel and users for visual verification.

Vesta's Z-Wave Emergency Monitoring Sensors

Smoke Detector

Heat Detector

Carbon Monoxide Detector

Water Sensor

Remote and Mobile Control

SmartHomeSec Server and SmartHomeSec App

Controlling the ESGW-15 via SmartHomeSec Server

SmartHomeSec Server, Vesta's high-capacity IP/GPRS platform, enables the CMS to remotely manage the ESGW-15 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-15 via the SmartHomeSec App

The end user can download the SmartHomeSec App from the App Store or the Google Play Store to manage the ESGW-15, receive event reports, and view alarm videos/images on a smartphone or tablet.

ESGW-15 Features and Specifications

Zone Information	
Zones	160
Areas	2
Alarm Reporting	
Communications path	IP
Modified CID/SIA reporting	Over IP
Compatible Devices/Services	
Vesta and other manufacturers' Z-Wave devices	Yes
Whole-house power meters	Compatible with NorthQ's NQ-92021 Power Reader or Kamstrup's MULTICAL 601 Energy Reader
Wi‑Fi (Optional)	Via a USB dongle
Bluetooth	Via a Bluetooth dongle
IP cameras	Yes
External sirens	Yes
SmartHomeSec Server	Yes
SmartHomeSec 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)	RF or Z‑Wave
Power supply	100-240V (50/60Hz), DC 5V/1A power adapter
Backup battery life	10 hrs*
Operating temperature	-10°C to +45°C
Operating humidity	Up to 85% non-condensing
Compliance listings	CE 0681 (R&TTE Directive)/EN 300220-1&2/EN 300328/EN 301489-1&3&17/EN 60950-1/EN 62311
Dimensions	114mm x 77mm x 33mm

Note: The actual battery life may vary with product settings, usage patterns and operating environment.

Ordering Information

ESGW-15-ZW-F1-868   IP gateway with a built-in RF F1 868 and Z-Wave module