



part of the **Essence Group**



# Z-Wave<sup>®</sup> Controller

ES800ZWD (V3)

## Incorporating Z-Wave<sup>®</sup> Devices into the We.R<sup>™</sup> System

- ✓ Single element – A lightweight Z-Wave<sup>®</sup> controller
- ✓ Powered by the We.R<sup>™</sup> Central Control Unit
- ✓ Simple and fast pairing process
- ✓ Supported Z-wave<sup>®</sup> devices – binary switch (on/off) and dimmer, thermostat and door lock



*The ES800ZWD Z-Wave controller integrates with the EverGuard and EverGuard Express control panels and with 3<sup>rd</sup> party Z-Wave compatible devices*

*With millions of systems and security peripherals installed internationally, Essence Security is a technological and market leader in the field of advanced security solutions for homes, offices and full-service central monitoring stations*



## ES800ZWD Z-Wave Controller

### DESCRIPTION:

- The Z-Wave® controller allows incorporation of 3rd party Z-Wave® compatible devices into the We.R™ system thus integrating Smart Home applications with Essence security system
- To incorporate a 3rd party device in the Essence system, the Z-Wave® controller connects on one side to the Essence Control Panel and on the other to the 3rd party device.

### COMMUNICATION:

- Maximum RF range 500m (1640 ft) open air
- Z-Wave® bi-directional radio protocol (onboard)

- Frequency: 868.4/908.4/921.4 MHz
- Bit Rate: 9.6/40 kbps

### SECURITY:

- Data Security – 128bit AES encryption
- Unique electronic serial number

### POWER CONSUMPTION:

- Efficient power consumption to extend the operation period

### SIZE and WEIGHT:

- Z-Wave® controller = H: 5mm (0.2 in.), L: 58mm (2.28 in.), W: 24mm 0.94 in.)
- Cable length = 15cm (5.9 in.)
- Z-Wave® controller = 10 grams (0.03 lb)

### ENVIRONMENT:

- Storage Temperature: -20°C – +50°C (-4°F – +122°F)
- Operating Ambient Temperature range: 0°C – +50°C (+32°F – +122°F)
- Humidity: Up to 95% non-condensing

### Certifications and approvals:



This device complies with FCC Rules Part 15 and with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:  
 (1) This device may not cause harmful interference, and  
 (2) This device must accept any interference received, including interference that may cause undesired operation

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:  
 (1) l'appareil ne doit pas produire de brouillage, et  
 (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

**NOTE:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:  
 - Reorient or relocate the receiving antenna.  
 - Increase the separation between the equipment and receiver.  
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.  
 - Consult the dealer or an experienced radio/TV technician for help.  
 Changes or modifications to this equipment not expressly approved by the party responsible for compliance (Essence Ltd.) could void the user's authority to operate the equipment.



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