

**ENER-J®**  
**WS1010 Wireless**  
**Kinetic Grid Switch**



# ENER-J WS1010 Wireless Kinetic Grid Switch Owner's Manual

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**ENER-J®**

**ENER-J WS1010 Wireless Kinetic Grid Switch**



### **Innovation of Wireless Kinetic Technology**

ENER-J's 1 Gang wireless grid switch is compatible with the Mk, Click, and can be installed into it. It is compatible with both the standard switch and our PRO Range non-dimmable receiver controller. The switch incorporates a built-in micro energy generator that converts kinetic energy from pressing the switch into power. This energy is then transmitted to the receiver, enabling the control of lamps or other connected loads. This innovation effectively resolves the long-standing challenge of requiring complex switch wiring installation, a predicament that has persisted since the inception of the lamp.



### **No Wiring. No Battery. Easy Installation and Usage**

The grid switch can be used from a maximum 20m indoors. There is no longer a need to make holes or channel out for switch lines in the wall if you use the ENER-J wireless switch. The ENER-J switch is safe, convenient and extremely simple to install and use.

### **Collection of Micro Mechanical Energy**

Micro energy acquisition (MEA) module constantly generates energy, thus eliminating the need for a battery or mains power supply.



Press with finger  
to produce  
kinetic energy



Internal module  
collects kinetic  
energy



Kinetic energy  
is converted  
into electricity



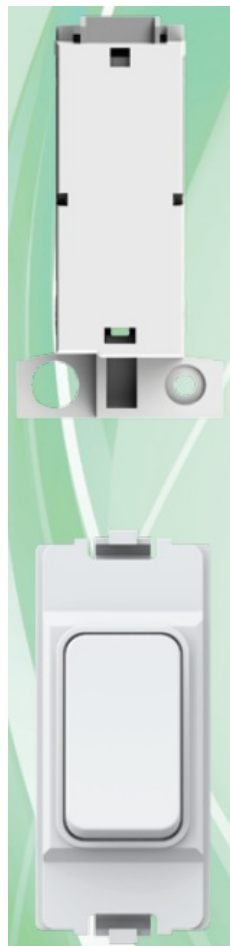
Communication  
module transmits  
signal



Receiver  
controls the  
light

### **Low power hardware and highly reliable communication protocol**

Energy produced by the Kinetic device is very small, so the communicating hardware adheres to strict requirements on low power consumption, wireless transmission and creates a highly stable environment. The ENER-J switch has a formidable range being effective up to 20m indoors and 60m outdoors. To prevent interference the handshake protocol is integrated with a precise algorithm, a 32-bit address. At every interval communication protocols are sent three times.

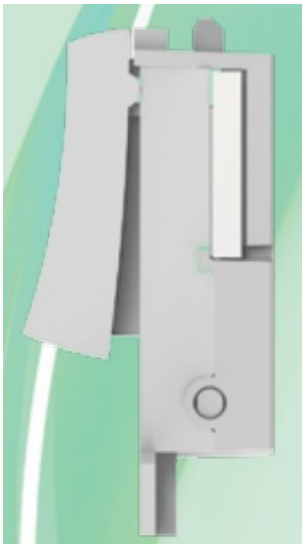




### Technical Specifications

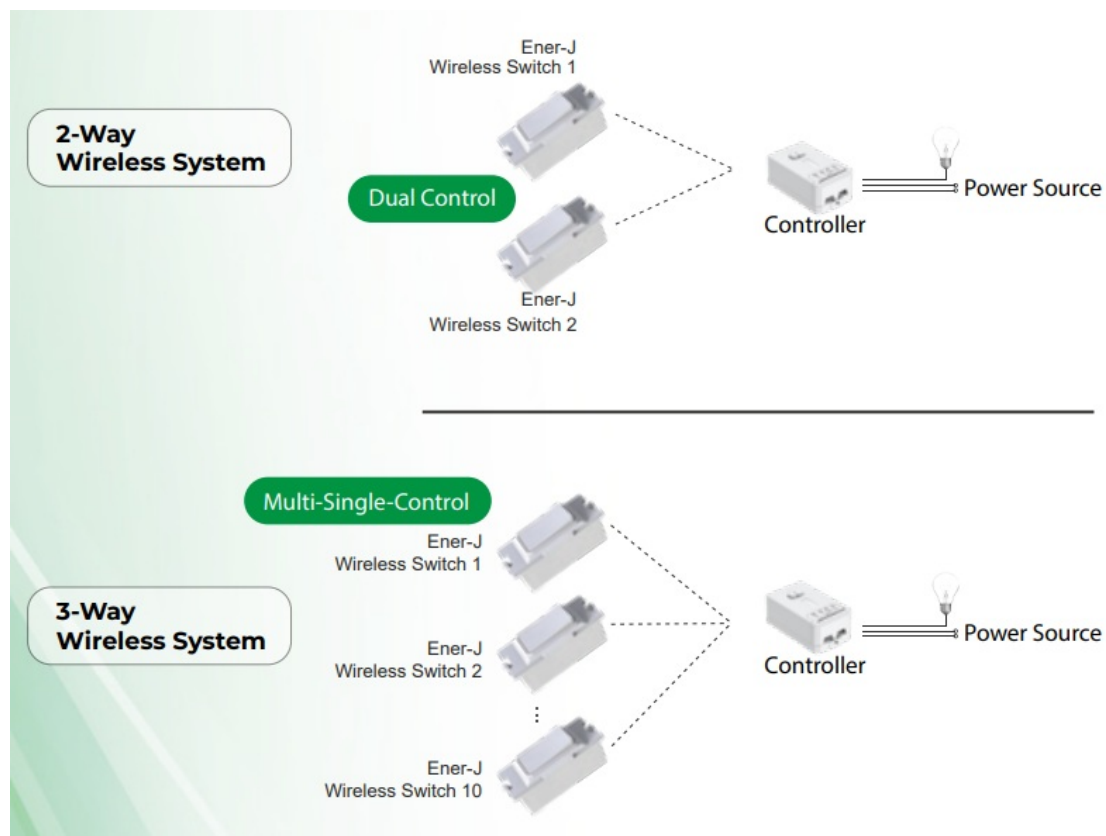
SKU	Image	Style	Colour	Weight	Size (LxWxH)
WS1010		MK Logic	White	26g	60x25x27mm
WS1011		Click MiniGrid	White	15g	50x25x24mm

### Technical Specifications



- **Work Type**
  - Push Button
- **Power Source**
  - Micro Energy Acquisition and self-powered
- **Work Frequency**
  - 433Hz
- **Number of Keys**
  - 1 (1 gang)
- **Lifetime**
  - 200,000 times on/off
- **Control Distance**
  - 20m (indoor) & 60m (outdoor)
- **Control Method**
  - Pairing with PRO Range Wireless Controller
- **Works with non-dimmable and Dimmable Receivers**
- **2 Year Warranty**

### Ener-J Controller Wireless Systems



### Stuck? Confused?

- Contact our Technical Support team on:
- T: +44 (0)1291 446 105 E: [support@ener-j.co.uk](mailto:support@ener-j.co.uk)
- Lines are open Mon – Fri (8 am to 4 pm)

## Product Information

The Wireless Kinetic Grid Switch by ENER-J is a cutting-edge innovation in home automation technology. It utilizes Wireless Kinetic Technology to provide a convenient and energy-efficient solution for controlling your lights or appliances.

## Features

- Compatible with MK and Click systems
- No wiring or batteries required
- Easy installation and usage
- Micro Mechanical Energy Acquisition module for self-powering
- Low power hardware with reliable communication protocol
- Effective range of up to 20m indoors and 60m outdoors
- Durable, cost-saving, and maintenance-free

## Specifications

- **SKU:** WS1010 (MK Logic) / WS1011 (Click MiniGrid)
- **Style:** Push Button
- **Colour:** White
- **Weight Size:** 26g / 15g
- **Dimensions:** 60x25x27mm / 50x25x24mm
- **Power Source:** Micro Energy Acquisition and self-powered
- **Work Frequency:** 433Hz
- **Number of Keys:** 1 (1 gang)
- **Lifetime:** 200,000 times on/off
- **Control Distance:** 20m (indoor) & 60m (outdoor)
- **Control Method:** Pairing with PRO Range Wireless Controller
- **Works with:** Non-dimmable and Dimmable Receivers
- **Warranty:** 2 years

## Product Usage Instructions

### Installation

1. Choose a suitable location for the wireless grid switch within the effective range.
2. Pair the switch with a PRO Range Wireless Controller using the provided instructions.
3. Mount the grid switch onto the desired surface securely using appropriate fixtures.
4. The installation is now complete, and you can start using the switch wirelessly.

### Usage

To turn on/off connected devices, simply press the button on the wireless grid switch. The switch communicates wirelessly with the paired controller to control the devices within its range.

## Frequently Asked Questions

**Q: Can the ENER-J wireless switch be used outdoors?**


A: Yes, the switch has an effective range of up to 60m outdoors, making it suitable for outdoor applications as well.

**Q: How long is the warranty for the product?**

A: The ENER-J wireless switch comes with a 2-year warranty from the date of purchase, ensuring peace of mind for customers.

Contact Technical Support for further assistance: T: +44 (0)1291 446 105 | E: [support@ener-j.co.uk](mailto:support@ener-j.co.uk) | Mon – Fri (8 am to 4pm)

**Documents / Resources**

	<p><a href="#">ENER-J WS1010 Wireless Kinetic Grid Switch</a> [pdf] Owner's Manual WS1010, WS1011, WS1010 Wireless Kinetic Grid Switch, WS1010, Wireless Kinetic Grid Switch, Kinetic Grid Switch, Grid Switch</p>
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**References**

- [ener-j.co.uk](http://ener-j.co.uk)
- [Get Smart & Connected | ENER-J, ENER-J Smart Home Automation](#)
- [User Manual](#)

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