

## 815ENO EnOcean Gateway



### Introduction

The 815ENO allows EnOcean energy harvesting switches to be used to control an E-Plex system. EnOcean energy harvesting switches are wireless, battery free switches that generate all of the power they require from the motion of the switches as they are pressed. This significantly simplifies switch mounting and wiring. The switches are available in various styles from a number of manufactures. A list of compatible switches can be found on the EnOcean Alliance website.



### Key Features

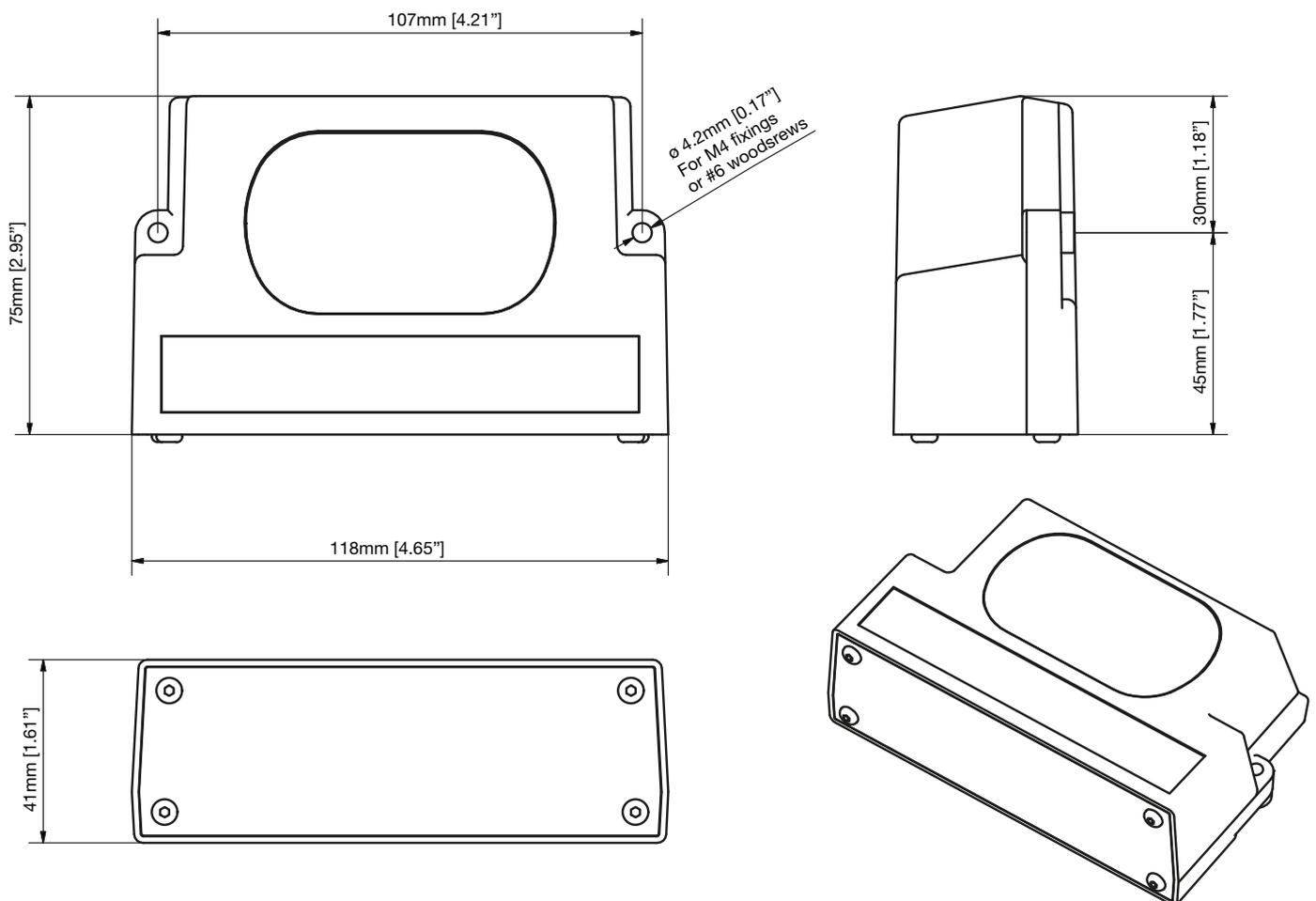
- Communicates with wireless switches that require no batteries.
- EnOcean switches are easily mounted on thin bulkheads (usually surface mounted).
- Huge time saving during installation.
- Simple PC-free switch learning interface.
- Learns up to 32 switch banks (up to four switches per bank).
- Requires no external power.
- Integrated EP3 simple connector system.

## Electrical specifications

Description	Minimum	Nominal	Maximum
Voltage	10 VDC	12 / 24 VDC	32 VDC
Current	50 mA	-	70 mA
E-Plex LEN	-	7	-
Operating Frequency (North America)	-	315 MHz	-
Operating Frequency (Europe)	-	868 MHz	-

## Mechanical specifications

Description	Specifications
Operating Temperature	-20°C to 60°C (non freezing)
Storage Temperature	-40°C to 85°C
Operating Humidity	5% to 95% (non-condensing)
IP Rating	IP20



## Ordering codes

Description	Ordering Code
North America 315 MHz	EP3-INTER-815ENO-USA
European 868 MHz	EP3-INTER-815ENO-EURO

*Note: When ordering, ensure that you select the model that matches the frequency of the switches you have chosen to install.*

## Switch learning procedure

EnOcean switches come in switch banks usually containing two rocker switches (A on the left, and B on the right). A single EnOcean gateway can be trained to recognise up to 32 switch banks. The learned switch banks are each assigned a switch ID and group ID (switch banks in the same physical location should be assigned to the same group ID, although this is not a requirement).

## Entering and exiting learn mode

To enter learn mode press [ok image]; the LED next to the button will blink slowly. To exit learn mode without making any changes press the OK button again.

### Learning switches

Learning switches is performed using the keypad on the 815ENO.

1. Enter learn mode.
2. Use [up image] and [down image] to select the desired group ID (1 - 8); the selected group ID will be indicated on the 7-segment display.
3. Select the desired switch ID (1 - 4) by pressing the button with the corresponding number ([1 - 4 images]); the selected switch ID will be indicated by the LED next to the corresponding button.
4. Once the group ID and switch ID have been selected, press and release any switch on the desired switch bank; the LED next to the [OK image] button will stop blinking and stay on for about 2 seconds before going off.
5. The switch bank will now be assigned to the group and switch IDs specified, and the 815ENO will have left learn mode.

A switch bank can only ever be assigned to one group/switch ID pair at a time. Attempting to assign a switch bank to another group or switch ID on the same module will clear the previous assignment.

## Testing switches

When the 815ENO is not in learn mode, whenever a recognised switch is pressed the associated group and switch IDs will blink slowly. Releasing the switch will cause the group and switch IDs to blink rapidly for about half a second.

### Removing switches

To remove a switch bank that is assigned to a particular group ID and switch ID without assigning it to another location perform the following operation:

1. Enter learn mode.
2. Use [up image] and [down image] to select the desired group ID (1 - 8); the selected group ID will be indicated on the 7-segment display.
3. Select the desired switch ID (1 - 4) by pressing the button with the corresponding number ([1 - 4 images]); the selected switch ID will be indicated by the LED next to the corresponding button.
4. Press [cancel image].
5. The [ok image] and [cancel image] button LEDs will illuminate for about 2 seconds then go off.
6. The switch bank will no longer be assigned to that group and switch ID.



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