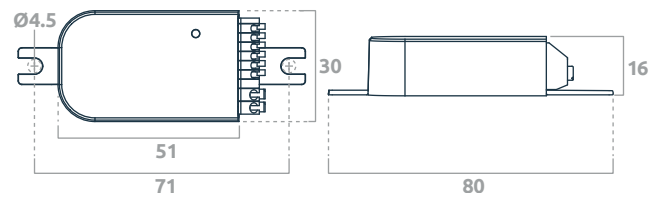


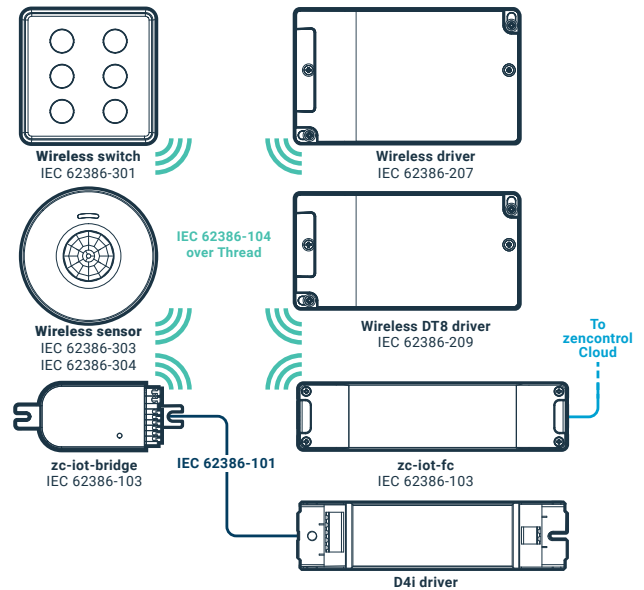
## Dimensions

**Mounting options** Inbuilt

**Dimensions** 80 / 16 / 30 mm



## Wireless system overview



## Product range

Order code	Description
<b>zc-iot-bridge</b>	Wireless bridge
<b>zc-iot-bridge-oem</b>	Wireless bridge for OEM*
<b>zc-iot-bridge-oem-s</b>	Wireless bridge for OEM with nano+ sensor*

\*OEM models support zc-pir-nano+ sensor only, this incl. PIR/lux/IR/ and wireless connectivity.

## Specifications

<b>Supply voltage</b>	9.5 - 22.5 V (DALI line)
<b>Control system</b>	IEC62386-104 over Thread
<b>DALI line current</b>	40 mA
<b>Wiring</b>	0.2 - 1.5 mm <sup>2</sup> (DALI) 0.2 - 0.5 mm <sup>2</sup> (accessories) Strip 8 - 9 mm
<b>Operating temperature</b>	-10 to 60°C
<b>Material</b>	PC
<b>Mounting</b>	Inbuilt
<b>Ingress protection</b>	IP20
<b>Classification</b>	III

## Installation

Remove the product from the box and inspect it for any damage. If you believe the product to be damaged or otherwise unsound, **do not** install the product. Please pack it back into its box and return it to the place of purchase for replacement.

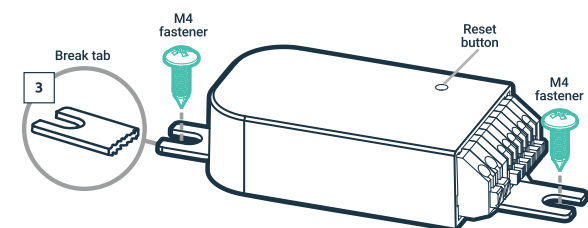
If the product is satisfactory, proceed with the installation:

- 1 Ensure safety warnings are adhered to.
- 2 Wire according to wiring diagram, as shown in *fig 1*.
- 3 Optional: Break off back tab, and align front tab to case, per *fig 2*.

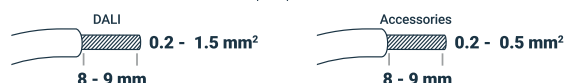
**Do not mount the device directly to any metallic service. A gap of at least 10mm to any metal surface should be observed for best RF performance.**

## Safety information

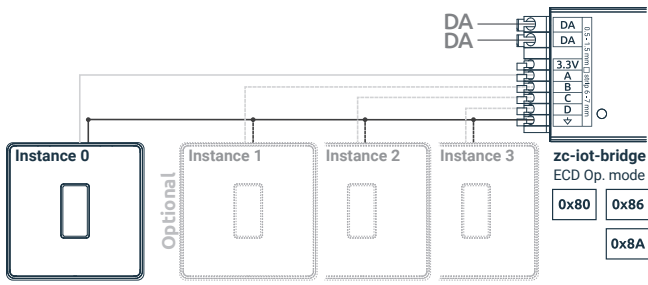
- This product must only be installed by a licensed electrician.
- Before commencing installation turn off and isolate the electrical supply.
- There are no user serviceable parts, attempting to service any part of the product will void the warranty
- DALI is not SELV and as such should be treated as LV.
- As the installer, it is your responsibility to ensure you comply to all relevant building and safety codes. Refer to application standards for the relevant rules.
- When the installation is complete, leave this manual with the building's owner for future reference.



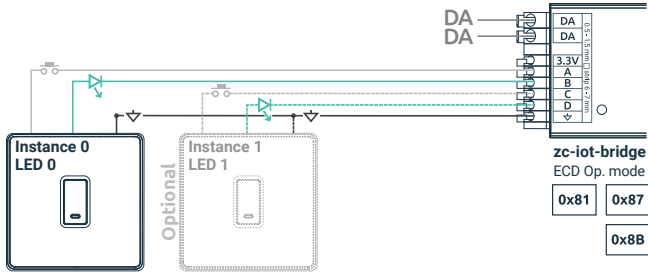
### Wire preparation



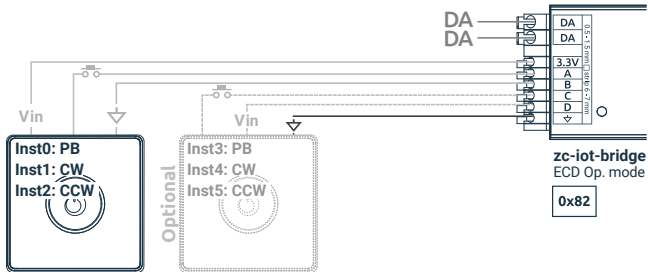
## Wiring diagrams



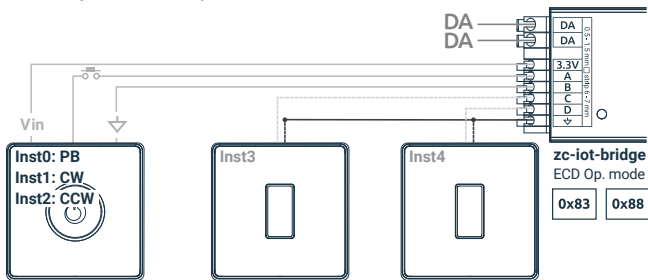
Switches: Any standard third-party switch



Illuminated pushbutton switches: zc-pbs-2550

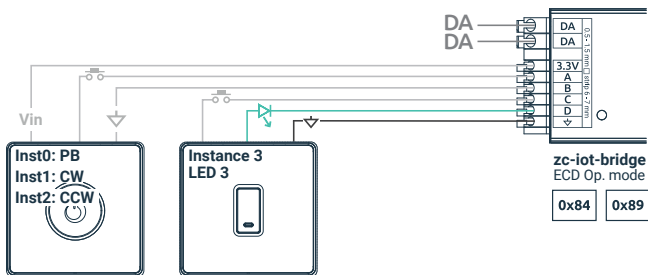


DALI rotary switch: zc-rotary-2550



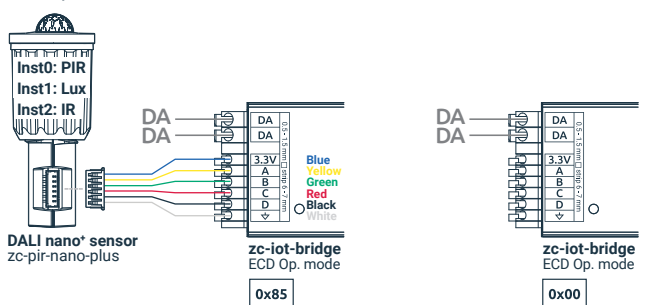
DALI rotary switch: zc-rotary-2550

Switches: Any standard third-party switch



DALI rotary switch: zc-rotary-2550

Illuminated pushbutton switch: zc-pbs-2550



DALI nano+ sensor zc-pir-nano-plus

zc-iot-bridge ECD Op. mode

zc-iot-bridge ECD Op. mode

0x85

0x00

Op. mode	Number of instances	Instance type						
		Inst. 0	Inst. 1	Inst. 2	Inst. 3	Inst. 4	Inst. 5	
0x00	0							
0x80	4	1 (PB)	1 (PB)	1 (PB)	1 (PB)			
0x81	2	1 (PB)	1 (PB)					
0x82	6	1 (PB)	1 (CW)	1 (CCW)	1 (PB)	1 (CW)	1 (CCW)	
0x83	5	1 (PB)	1 (CW)	1 (CCW)	1 (PB)	1 (PB)		
0x84	4	1 (PB)	1 (CW)	1 (CCW)	1 (PB)			
0x85	3	3 (OCC)	4 (Lux)	2 (IR)				
0x86	4	2 (ABS)	2 (ABS)	2 (ABS)	2 (ABS)			
0x87	2	2 (ABS)	2 (ABS)					
0x88	5	1 (PB)	1 (CW)	1 (CCW)	2 (ABS)	2 (ABS)		
0x89	4	1 (PB)	1 (CW)	1 (CCW)	2 (ABS)			
0x8A	4	1 (PB)	1 (PB)	2 (ABS)	2 (ABS)			
0x8B	2	1 (PB)	2 (ABS)					

## Glossary

<b>Op. mode</b>	ECD operation mode
<b>Inst.</b>	Instance
<b>PB</b>	IEC62836-301 – Particular requirements – Input devices – Push buttons
<b>CW</b>	Clockwise (IEC62836-301)
<b>CCW</b>	Counter clockwise (IEC62836-301)
<b>ABS</b>	IEC62836-302 – Particular requirements – Input devices – Absolute input devices
<b>IR</b>	Infrared receiver (IEC62386-302)
<b>OCC</b>	IEC62836-303 – Particular requirements – Input devices – Occupancy sensor
<b>Lux</b>	IEC62836-304 – Particular requirements – Input devices – Light sensor

## Button actions

Button	Action	Function
Reset	1 - 2 seconds press	Start commissioning mode
Reset	3 - 10 second press	Reboot
Reset	11 - 15 second press	Factory reset

## Accessories range

<b>Order code</b>	Description
<b>zc-fm-kit</b>	Field mount kit
<b>zc-pir-nano-plus</b>	PIR Nano+ sensor, accessory kit
<b>zc-rotary-kit</b>	Rotary 20 x 20 mm, accessory kit
<b>zc-rotary-2550-kit</b>	Rotary 25 x 50 mm, accessory kit
<b>zc-rotary-2550-b-kit</b>	Black rotary 25 x 50 mm, accessory kit
<b>zc-pbs-2020-kit</b>	Illuminated pushbutton switch 20 x 20 mm, accessory kit
<b>zc-pbs-2550-wh-kit</b>	Illuminated pushbutton switch 25 x 50 mm, white, accessory kit
<b>zc-pbs-2550-st-kit</b>	Illuminated pushbutton switch 25 x 50 mm, stainless brushed, accessory kit

## Notice



For more information on compliant software see our website [zencontrol.com](https://zencontrol.com)