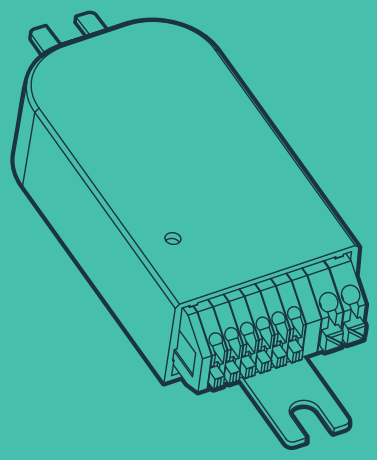
zencontrol

Wireless bridge **zc-iot-bridge**



Product range

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

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

Specifications

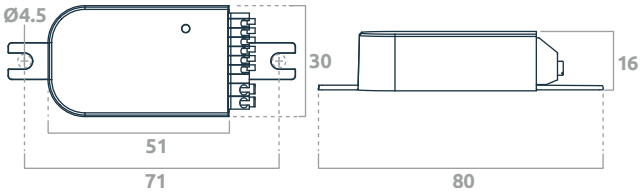
Supply voltage	9.5 - 22.5 V (DALI line)
Control system	IEC62386-104 over Thread
DALI line current	40 mA
Wiring	0.2 - 1.5 mm² (DALI)
	0.2 - 0.5 mm² (accessories)
	Strip 8 - 9 mm
Operating temperature	0 to 60°C
Material	PC
Mounting	Inbuilt
Ingress protection	IP20

Safety information

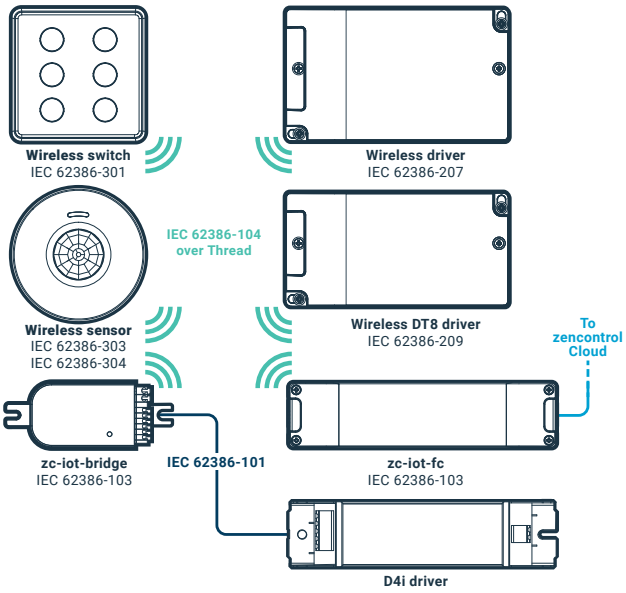
- This product must only be installed by a licensed electrician.
- Before commencing installation turn off and isolate the electrical supply.
- There are no user serviceable parts, attempting to service any part of the product will void the warranty
- DALI is not SELV and as such should be treated as 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.

Dimensions

Mounting options	Inbuilt
Dimensions	80 / 16 / 30 mm



Wireless system overview

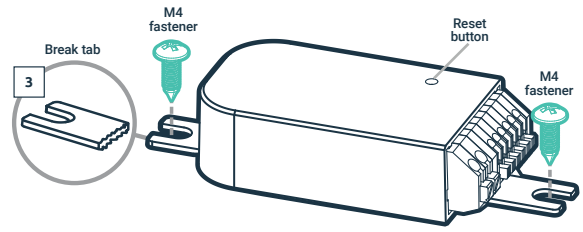


Installation

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.

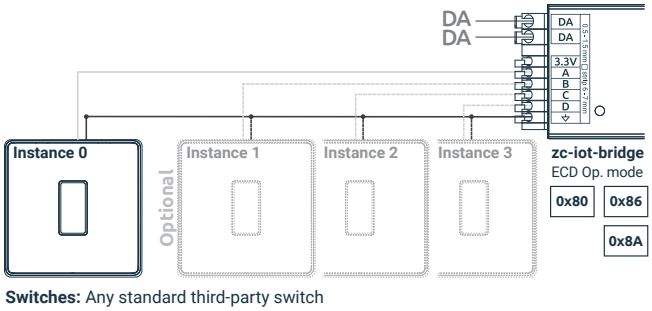
If the product is satisfactory, proceed with the installation:

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*.

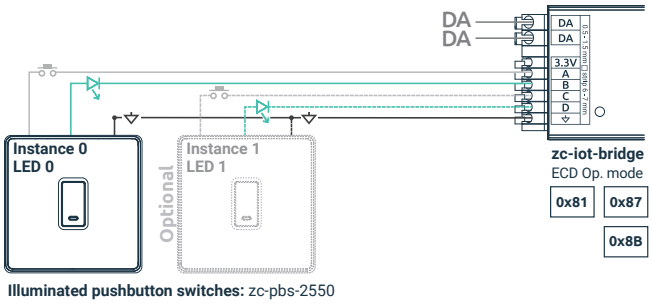


Wire preparation

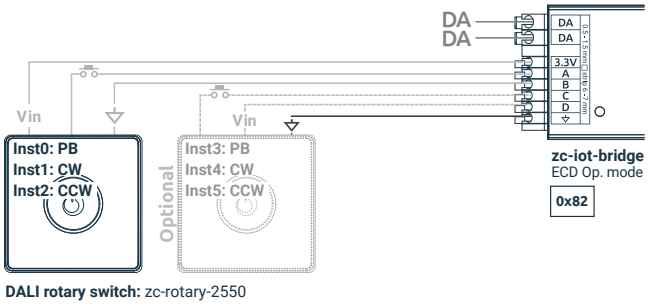
Wiring diagrams



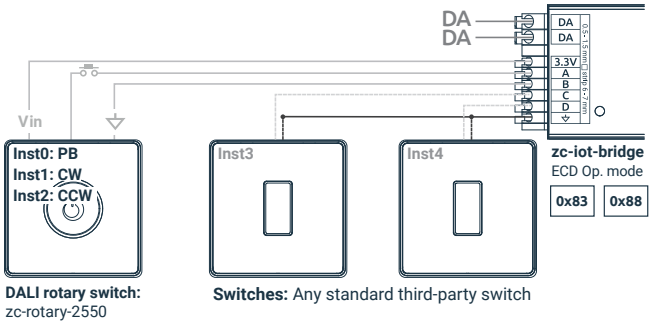
Switches: Any standard third-party switch



Illuminated pushbutton switches: zc-pbs-2550

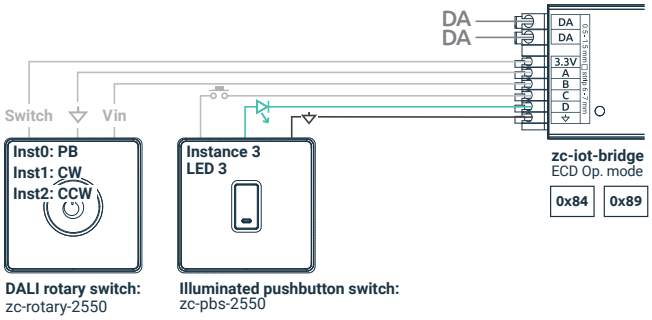


DALI rotary switch: zc-rotary-2550



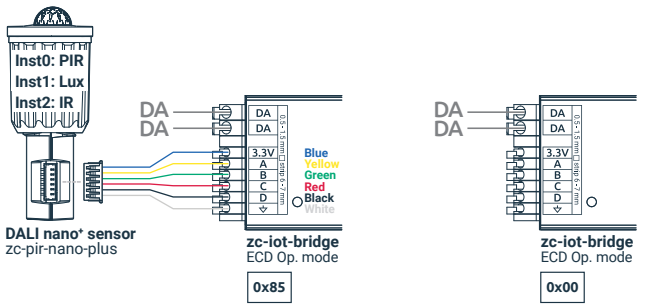
DALI rotary switch:
zc-rotary-2550

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

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

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

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

Notice

For more information on compliant software see our website **zencontrol.com**

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Information is subject to change without notice. E&OE

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