

Product range

Order code	Description
zc-ss-1sw-blk	Smart switch with 1 button to suit 84 mm wall mount, black
zc-ss-1sw-wht	Smart switch with 1 button to suit 84 mm wall mount, white
zc-ss-1sw-eu-blk	Smart switch with 1 button to suit 55 mm wall mount, black
zc-ss-1sw-eu-wht	Smart switch with 1 button to suit 55 mm wall mount, white

Specifications

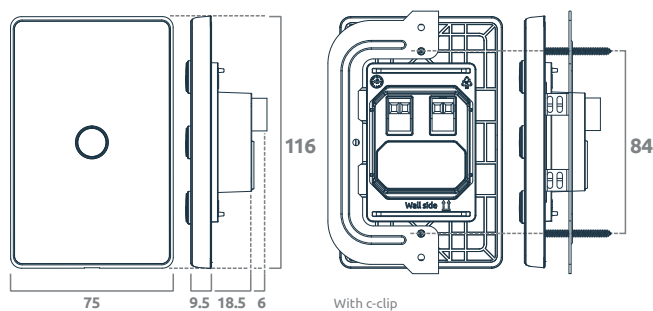
Supply	220 - 240 V
Supply current	4 mA
Control system	IEC62386-104 over Thread® / DALI-2
Radio support	IEEE 802.15.4
Frequency band	2.4 GHz
Max radio tx power	+8 dBm
DALI line current	2 mA
Wiring	1 - 4 mm ² Strip 8 - 10 mm
Operating temperature	0 to 55°C
Material	PC UV stabilised, toughened glass, aluminium
Ingress protection	IP20

Safety information

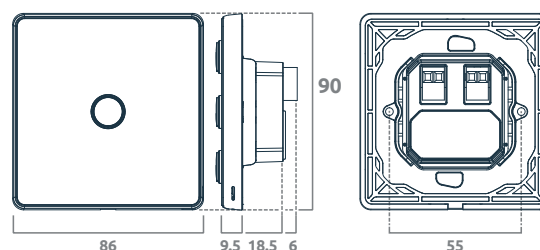
- This product must only be installed by a licensed electrician.
- Before commencing installation turn off and isolate the electrical supply.
- There are no user serviceable parts, attempting to service any part of the product will void the warranty
- DALI is not SELV and as such should be treated as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

Dimensions (mm)

zc-ss-1sw Fixing centres 84 mm **Dimensions** W75 / H117 / D34 mm

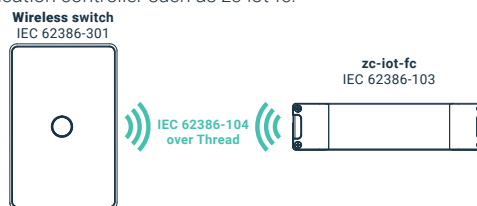


zc-ss-1sw-eu Fixing centres 55 mm **Dimensions** W86 / H86 / D34 mm

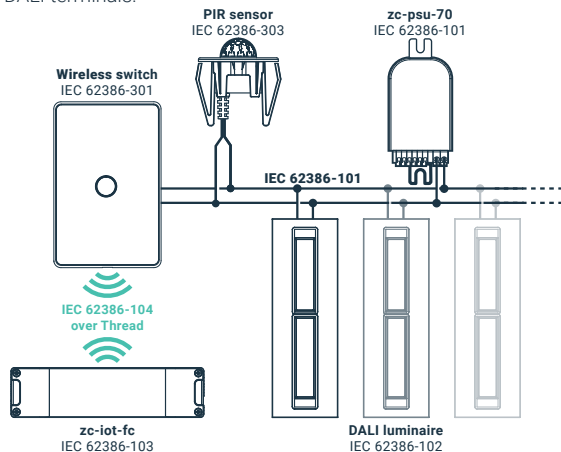


System overview: modes

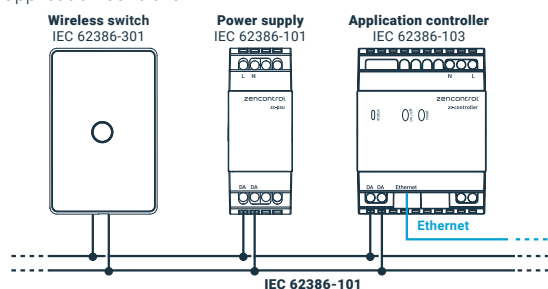
- 104 mode** is enabled after the device has been added to a 104 application controller such as zc-iot-fc.



- 104 + 101** Bridge mode is enabled after the device has been added to a 104 controller and a 101 power supply has been connected to the DALI terminals.



- 101 mode** is enabled after a 101 power supply has been connected to the DALI terminal and the device **has not** been added to a 104 application controller.

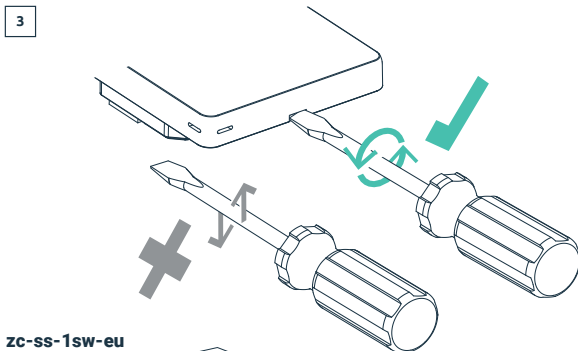


Installation

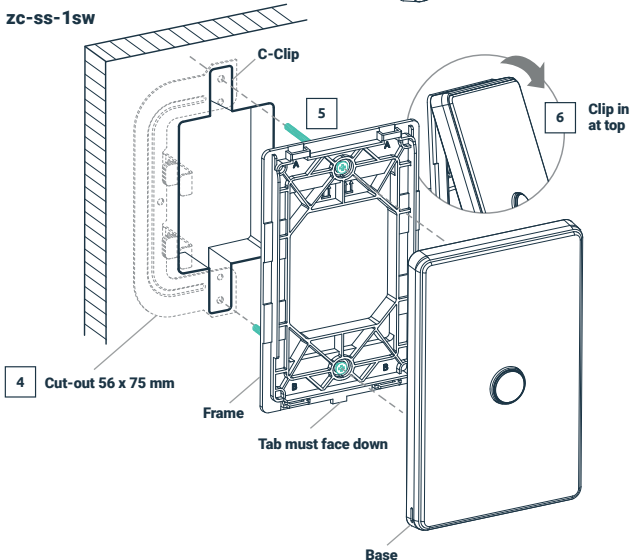
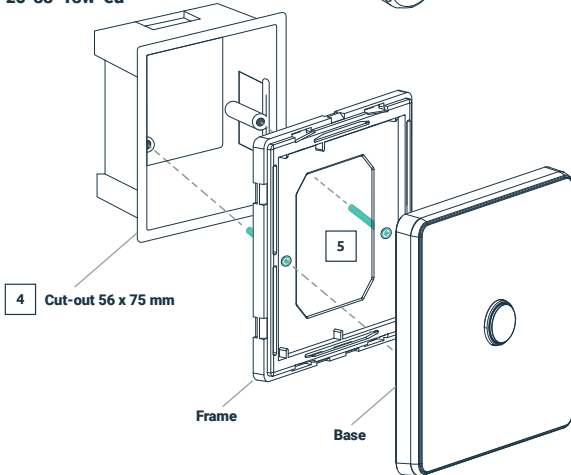
Remove the product from the box and inspect it for any damage. If you believe the product to be damaged or otherwise unsound, **do not** install the product. Please pack it back into its box and return it to the place of purchase for replacement.

If the product is satisfactory, proceed with the installation:

- 1 **Ensure safety warnings are adhered to.**
- 2 **Optional:** Connect the two DALI terminals to the DALI line ensuring wiring regulations are followed. DALI is not polarised. DALI is not SELV and as such must be treated as LV. **Do not connect DALI to any mains voltages.**
- 3 Remove front plate by inserting a screwdriver (min. 5.5pt) into receptacle at the bottom of the frame. Twist left, twist right, to release cover, **do not** lever.
- 4 Cut-out the hole, insert wallbox if applicable.
- 5 Insert provided screws into frame and attach to pre-mounted wallbox/c-clip.
- 6 **Not applicable to eu versions.** Latch cover on top of frame to clip base back into frame, attached on the wall.

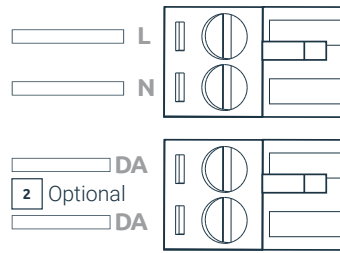


zc-ss-1sw-eu



Wiring diagram

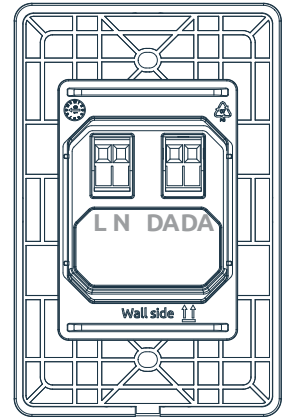
Input configuration



Wire preparation



Ensure each terminal is lined up with correct marking on the product label



Configuration

- By default the device is configured with 1/2/3 control device instances with LED indicator. Actual function is dependant on the configuration of a DALI-2 application controllers connected to the DALI line, or the Wireless application controller.
- By default the device will configure its mode of operation depending on what has been commissioned.

ECD operating mode

- **128 (0x80) Bridge mode (default):** Device acts as a bridge between Thread 104 interface and DALI devices connected via 101 interface
- **129 (0x81) Beacon mode:** Device broadcasts Bluetooth beacons and communicates via 104 interface if Thread network is commissioned otherwise via 101 interface. For more information on how to configure Beacons visit support.zencontrol.com
- **130 (0x82) Bridge disabled:** Device communicates via both 104+101 interface, however, bridge mode is disabled (i.e. Devices connected on the 101 interface will not be available on the Thread 104 system)

Notice



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