Room control modules **zc-room**

zencontrol

Dimensions

Mounting options Independently mounted control for surface mounting

Mounting centres 470 / 150 mm

Dimensions 197 / 500 / 57 mm

500

57

470

150 197

Recommended cable clearance

170 mm = 3 - 5 core

200 mm = 6 core

57

Product range

Order code	Description
zc-room-basic	Basic room controller
zc-room-lite	Lite room controller
zc-room	Full feature room controller

Specifications

Supply voltage	230 V ~ 50 Hz
DALI supply current	235 mA
Relay rating	Switched live 10 A Unswitched / emergency test contact 6 A
Terminal capacity	Mains 1 - 4 mm^2, strip 8 - 9 mm Digital I/O 0.5 - 2.5 mm^2, strip 5 - 6 mm
Load per circuit	10 A
Load per channel	6 A fluorescent and incandescent lighting 3 A compact fluorescent lighting 3 A low energy lighting DALI power supply 16.5 V dc 235 mA
Operating temperature	0 to 45°C
Material	PC
Classification	Class I

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 Mount the unit as shown in **fig 1** or **fig 2** using the appropriate fasteners (not included).

3 Wire terminal I/O and secure using provided cable clamps or M20 cable glands as per the wiring diagram in **fig 3**.

4 Connect starter leads to output channels per wiring diagram in **fig 4**. Emergency luminaires requiring a dedicated emergency test contact should be connected to output 7 - 10.

1
Surface mount
M6 fastener
x4

2
Rod mount
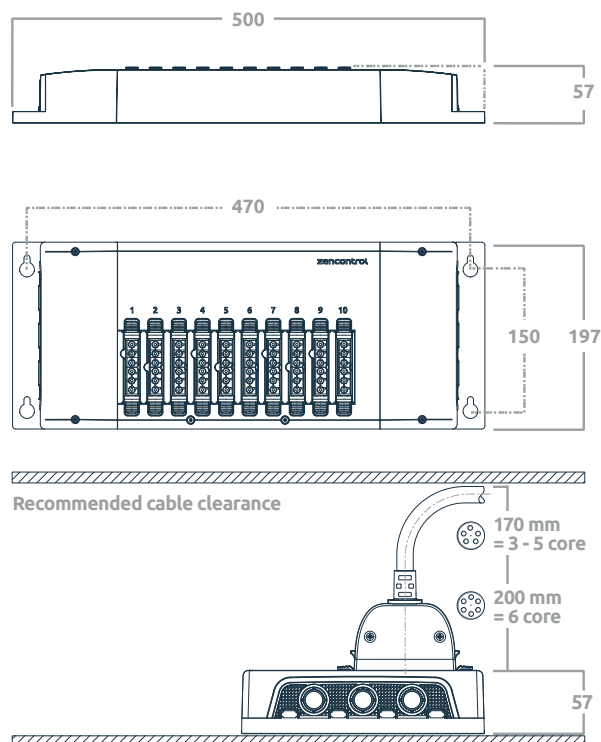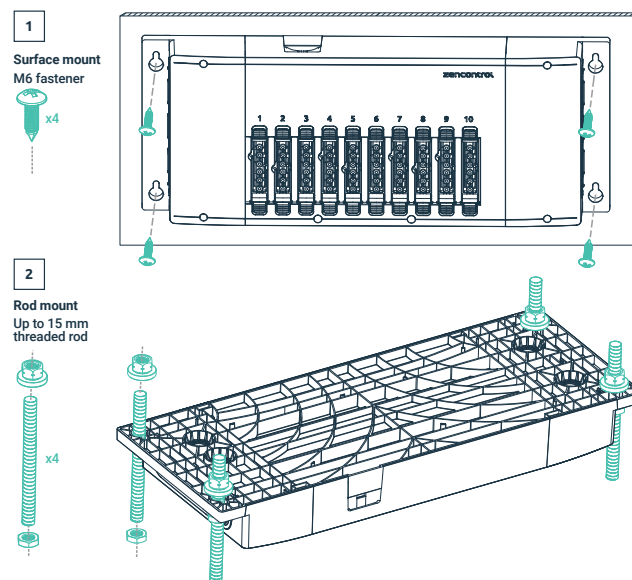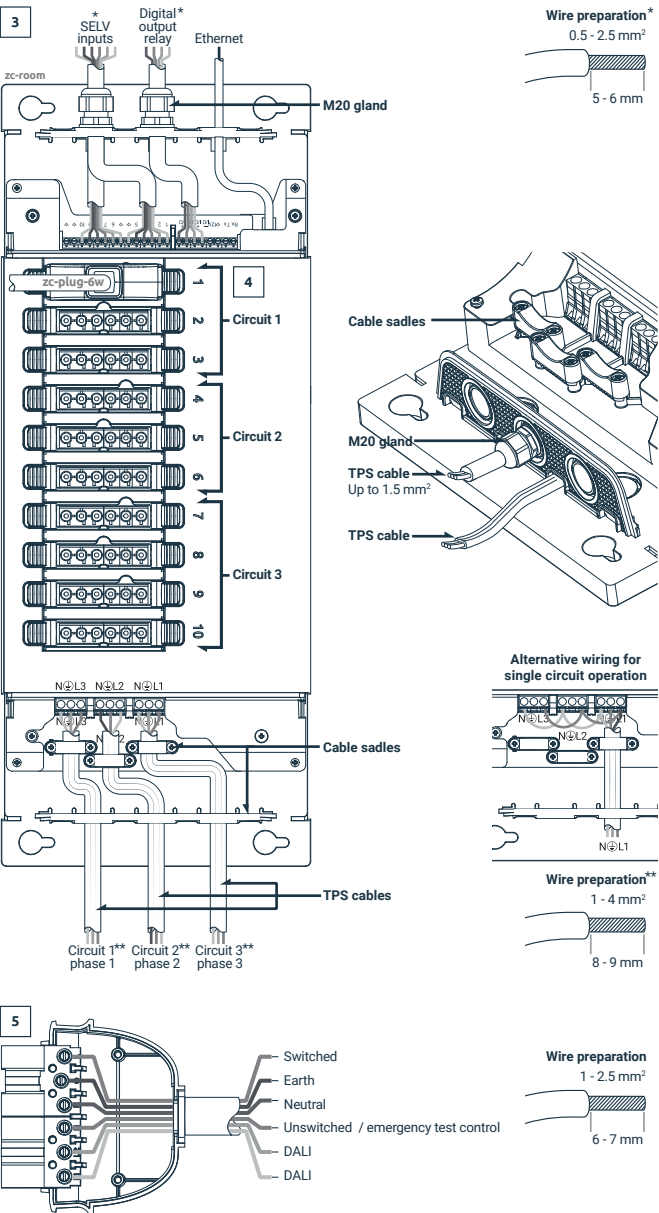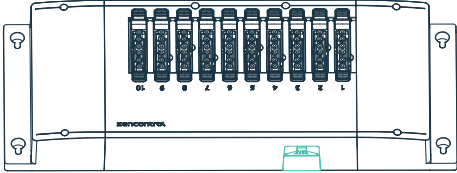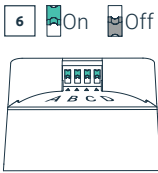Up to 15 mm
threaded rod
x4

Safety information

- This product must only be installed by a licensed electrician.
- Before commencing installation or servicing turn off and isolate all supply circuits.
- Risk of accidental contact with live parts. Do not energise with product open or disassembled.
- 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.
- Each circuit must be protected by a MCB rated at 16 A or less

CE ◬

Wiring diagram

3

zc-room

* SELV inputs
Digital * output relay
Ethernet

M20 gland

Wire preparation*
0.5 - 2.5 mm²

5 - 6 mm

zc-plug-6w

4

- Circuit 1
- Circuit 2
- Circuit 3

Cable sadles

M20 gland

TPS cable
Up to 1.5 mm²

TPS cable

TPS cable

N⊕L3 N⊕L2 N⊕L1
N⊕L3 N⊕L2 N⊕L1

Cable sadles

TPS cables

Circuit 1** phase 1
Circuit 2** phase 2
Circuit 3** phase 3

Alternative wiring for single circuit operation

N⊕L3 N⊕L2 N⊕L1

N⊕L1

Wire preparation**
1 - 4 mm²

8 - 9 mm

5

- Switched
- Earth
- Neutral
- Unswitched / emergency test control
- DALI
- DALI

Wire preparation
1 - 2.5 mm²

6 - 7 mm

Configuration

Dip switch settings

6   ▪On   ▪Off

A B C D

Sensor delay		Absence / presence	
A	**B**	**C**	**D**
	10 min	Presence	Reserved for later use
	15 min	Absence	
	20 min		
	30 min		

Notice

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