Integral D1
Installation Manual

Order Codes

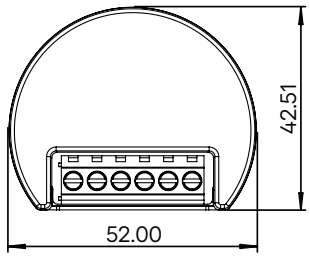
Product SKU	Description
VS-ID1-W	Integral D1 - White
VS-ISM-W	Integral Surface Kit - White

Technical Specification

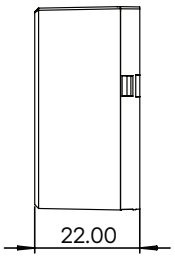
Control	Casambi
Wireless Range	98m/LR 180m (OA LOS)
Supply	100-277VAC 50/60Hz
Output	DALI 50mA/16.5VDC
Max DALI Load	Up to 25 Drivers
Type	Broadcast/DT6/DT8
Switch Input	2x Momentary or Latch
Operating Temperature	0 to 55C
Wiring	Loop in/loop out
Terminal Capacity	2.5 mm²
Mounting Screws	2x M3 Flat Head
Screw Centres	25mm
Material	Flame Retardant ABS+PC
Ingress Protection	IP20
Transceiver Frequency	2.4GHz ISM Band
Warranty	5 Years

Dimensions (mm)

VS-ID1-W

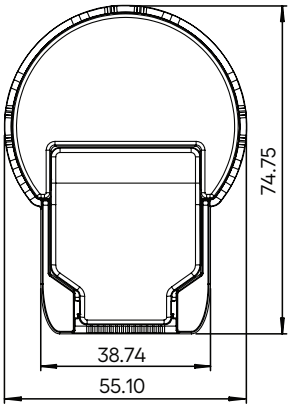


Top View

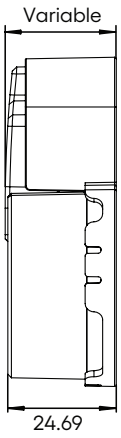


Side View

VS-ISM-W (with D1 installed)



Top View



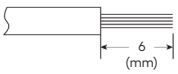
Side View

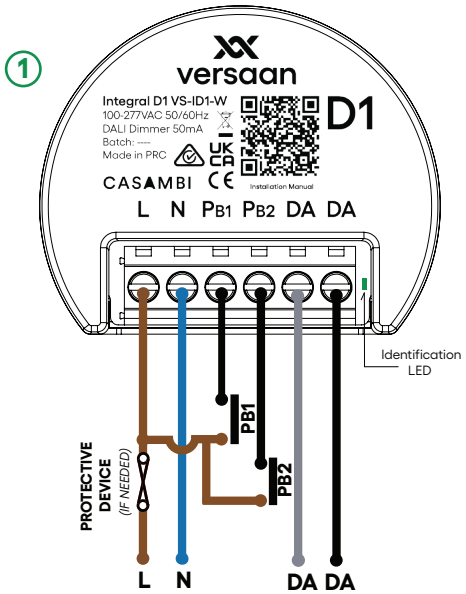
Wiring Schematic

KEY:

L = Line (Live/Active)
N = Neutral
PB1 = Push Button 1
PB2 = Push Button 2
DA = DALI Output

Wire Strip Length (mm)





Safety Information

Install only by a licensed electrician. Turn off and isolate the electrical supply before installation. No user serviceable parts; servicing voids the warranty. Installers must comply with building and safety codes. Refer to relevant standards.

NOTES

Push button (momentary) or latching switches can be connected to the D1. If a latching switch is connected use Control Priority via the Casambi app to define Closed (Active) and Open (Inactive) states. The D1 uses Live connections through PB1 and PB2 in order to detect open or closed circuits and activate corresponding functions in the Casambi mesh network.

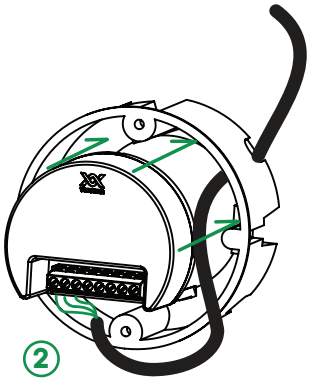
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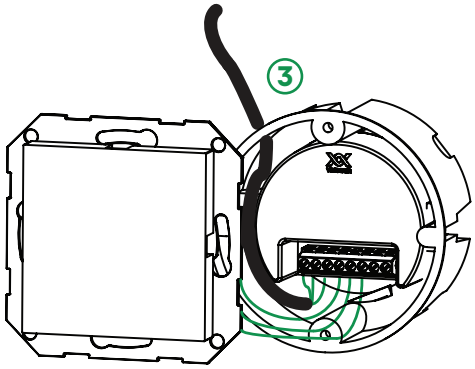
Installation

Unbox the product and carefully inspect it for any signs of damage. If you notice any defects or issues, do not proceed with the installation. Return the product to the original place of purchase for an exchange.

Back Box

1. Make sure the back box is large enough to to house Integral.
2. Pull power cable through the box and wire Integral as per *fig 1*.
3. Push Integral into the back box as per *fig 2*.

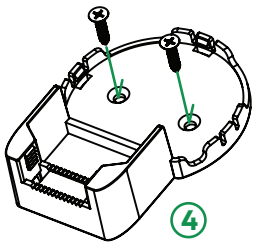


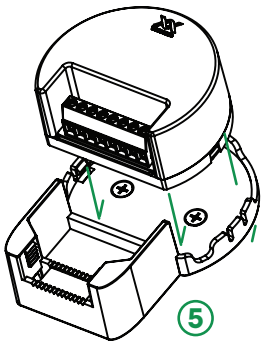


4. Depending on the Integral product, connect push button inputs to their respective push buttons on the switch (see fig 3).
5. Secure the push button switch to the back box as per the manufacturers instructions.

Surface Mount

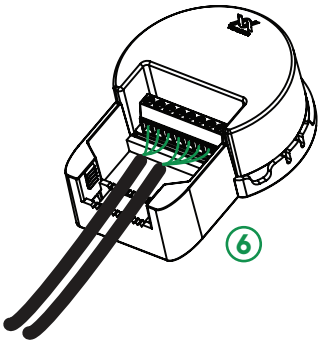
1. Install 2x M3 screws provided with the Integral Surface Kit (*fig 4*). Screw centres are 25mm apart.

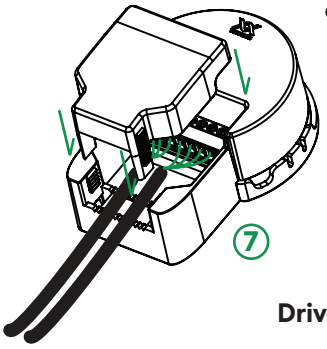




2. Press Integral into the Surface Kit. The snap locks will click into place (*fig 5*).

3. Install wiring as per wiring schematic (*fig 1*).





4. Press the strain relief down until it firmly locks against the cable (*fig 7*).
5. Install complete.

Driver Requirements

Phillips	Slotted
M3/PH1	3.5mm

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Profiles

Fixture	Model	Description
Most Used Profiles		
43403	Integral D1 DALI/BC/DIM	Basic DALI broadcast dimmer, no short addressing required.
43400	Integral D1 DALI/DT8/DIM,TW	DALI Dimmer with tuneable white for Integral D1 with DALI DT8 driver supporting TC color model: warm/cool mixing is done by DALI driver, and Integral D1 sets dimlevel and temperature values
43401	Integral D1 DALI/DT8/DIM,RGBW	4-channel (RGBW) DALI DT8 dimmer supporting 'RGBWAF' colortype input: Dim and RGBWAF channels
43609	Integral D1 DALI/DIM,8GRP	8-channel DALI group dimmer. Dimmers correspond to the group they are controlling
43961	Integral D1 DALI/DIM,8ADD	8-channel DALI address dimmer. Dimmers correspond to the address they are controlling
DALI DT6		
43403	Integral D1 DALI/1ch/DIM	Basic DALI dimmer, using Group #0 for dimming channel.
43404	Integral D1 DALI/2ch/DIM,DIM	Two channel DALI dimmer. Dimmer #1: Group #0, Dimmer #2: Group #1.
43405	Integral D1 DALI/3ch/DIM,DIM,DIM	Three channel DALI dimmer. Dimmer #1: Group #0, Dimmer #2: Group #1, Dimmer #3: Group #2.
43406	Integral D1 DALI/4ch/DIM,DIM,DIM,DIM,DIM	Four channel DALI dimmer. Dimmer #1: Group #0, Dimmer #2: Group #1, Dimmer #3: Group #2, Dimmer #4: Group #3.
43407	Integral D1 DALI/2ch/DIM,TW	Two channel DALI warm/cool mixer
43408	Integral D1 DALI/3ch/DIM,TW	Three channel DALI dimmer with simulated tuneable-white effect (White, Warm White and Cold White) for dimmer and color temperature
43409	Integral D1 DALI/4ch/DIM,DIM TW	Four channel DALI warm/cool mixer with two dimmer controls and shared color temperature control. 1x4-channel or 2x2-channel DALI driver(s)
43410	Integral D1 DALI/3ch/DIM,RGB	Three channel DALI RGB fixture, Red: Group #0, Green: Group #1, Blue: Group #2
43411	Integral D1 DALI/3ch/DIM,RGB,TW	Three channel DALI RGB fixture with simulated tunable white; calibration graphs required, Red: Group #0, Green: Group #1, Blue: Group #2
43412	Integral D1 DALI/4ch/DIM,RGBW	Four channel DALI RGB fixture with white. RGB is always present but amount of white can be adjusted
43413	Integral D1 DALI/4ch/DIM,RGB/White	Four channel DALI RGB fixture with white. The ratio between RGB and White is selected with mixer
43414	Integral D1 DALI/5ch/DIM,RGB/TW [Evolution]	Five-channel DALI fixture with RGB and Tunable White (WW/CW) outputs. The ratio between RGB and TW is selected with mixer.
43415	Integral D1 DALI/5ch/DIM,RGB,TW [Evolution]	Five-channel DALI fixture with exclusive RGB and Tunable White (WW/CW) outputs. Cross-fading is applied on switching between the color and white modes
43416	Integral D1 DALI/6ch/DIM,RGB/W+TW[Evolution]	Six-channel DALI RGB fixture with mixed White and extra pair of WW + CW outputs. The ratio between RGB and White is selected with mixer. TW output is defined by own Dimmer (White #2) and Color Temperature controls
DALI DT8		
43417	Integral D1 DALI/DT8/2x(DIM,TW)[Evolution]	DALI dual tunable-white fixture with two DT8 DALI output addresses
43418	Integral D1 DALI/DT8/DIM,DIM,TW	2 DALI dimmers with common tuneable-white control
43419	Integral D1 DALI/DT8/DIM,DIM,DIM,TW	3 DALI dimmers with common tuneable-white control
43420	Integral D1 DALI/DT8/DIM,RGB	3-channel (RGB) DALI DT8 dimmer supporting 'RGBWAF' color-type input: Dim and RGBWAF channels
43421	Integral D1 DALI/DT8/DIM,RGB/White[Evolution]	4-channel (RGBW) DALI DT8 dimmer with mixer for RGB and White channels.
43424	Integral D1 DALI/DT8/DIM,RGB,TW[Evolution]	DALI DT8 dimmer with mutually exclusive RGB or TC (color temperature) controls
43422	Integral D1 DALI/DT8/DIM,XY[Evolution]	Multichannel DALI DT8 dimmer supporting 'XY' color-type control.
43423	Integral D1 DALI/DT8/DIM,XY,TW[Evolution]	Multichannel DALI DT8 dimmer supporting exclusive 'XY' and 'TC' color-type control.

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