Integral R1
Installation Manual

Order Codes

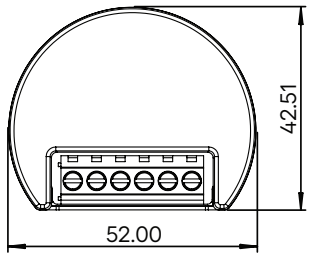
Product SKU	Description
VS-IR1-W	Integral R1 - White
VS-ISM-W	Integral Surface Kit - White

Technical Specification

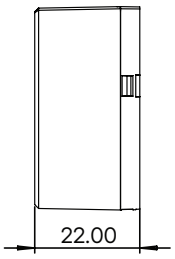
Control	Casambi
Wireless Range	98m/LR 180m (OA LOS)
Supply	100-277VAC 50/60Hz
Output	10A Capacitive 10A Inductive 10A Resistive
Max Inrush Current	250A/1ms, 140A/10ms
Switch Input	3x Momentary or Latch
Operating Temperature	0 to 55C
Wiring	Loop in/loop out
Terminal Capacity	2.5 mm²
Mounting Screws	2x 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-IR1-W

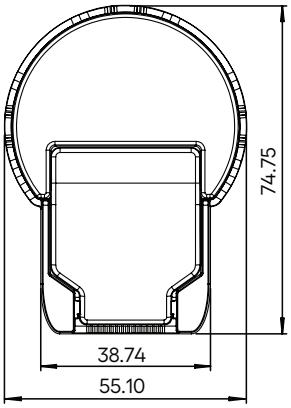


Top View

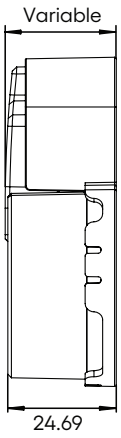


Side View

VS-ISM-W (with R1 installed)



Top View



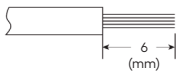
Side View

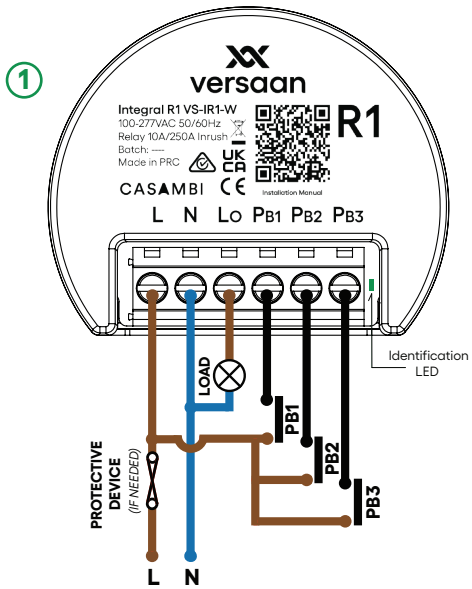
Wiring Schematic

KEY:

L = Line (Live/Active)
N = Neutral
Lo = Relay Output
PB1 = Push Button 1
PB2 = Push Button 2
PB3 = Push Button 3

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

Carefully calculate the continuous and inrush current of the total load to ensure it doesn't exceed the maximum (max) as specified above, or risk R1 damage or failure voiding warranty.

Push button (momentary) or latching switches can be connected to the R1. If a latching switch is connected use Control Priority via the Casambi app to define Closed (Active) and Open (Inactive) states. The R1 uses Live connections through PB1, PB2 and PB3 in order to detect open or closed circuits and activate corresponding functions in the Casambi mesh network.

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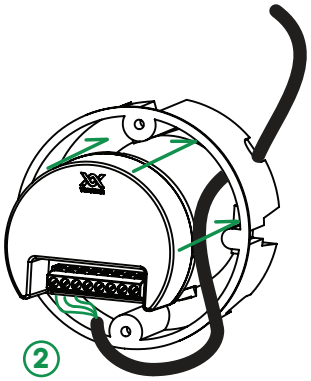
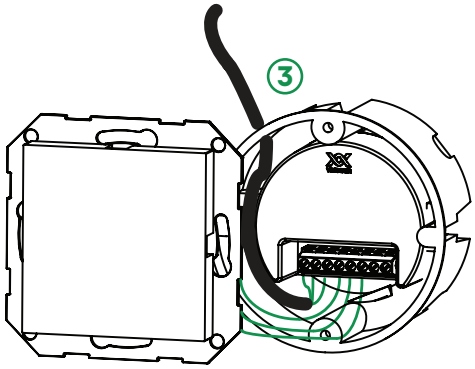
Installation

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*.

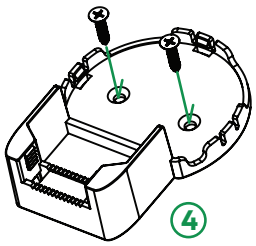


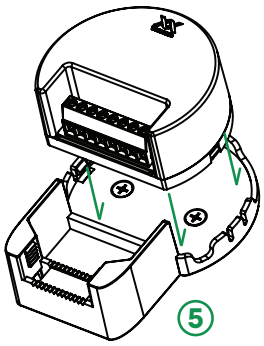


4. Depending on the Integral product, connect push button inputs to their respective push buttons on the switch (see fig 3).
5. Secure the push button switch to the back box as per the manufacturers instructions.

Surface Mount

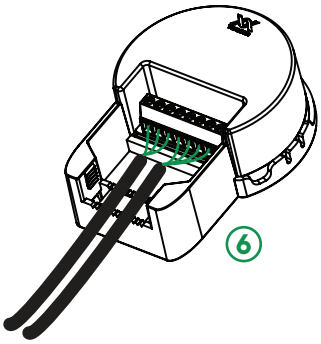
1. Install 2x M3 screws provided with the Integral Surface Kit (*fig 4*). Screw centres are 25mm apart.

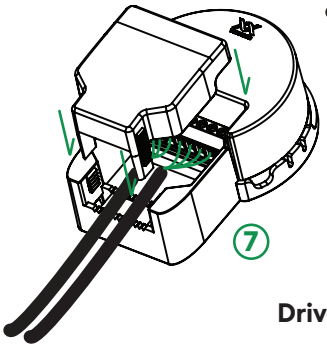




2. Press Integral into the Surface Kit. The snap locks will click into place (*fig 5*).

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