Integral T1
Installation Manual

Order Codes

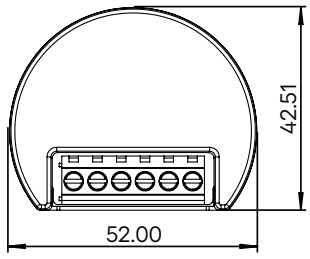
Product SKU	Description
VS-IT1-W	Integral T1 - White
VS-ISM-W	Integral Surface Kit - White

Technical Specification

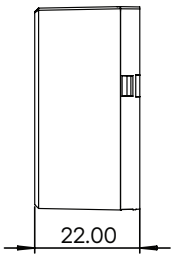
Control	Casambi
Wireless Range	98m/LR 180m (OA LOS)
Supply	100-277VAC 50/60Hz
Max Phase Dim Output	1.36A Capacitive 1.36A Resistive
Type	Trailing Edge
Max Inrush Current	90A @ 1ms
Protection	Short Circuit, Soft Start , Zero Crossing, Surge 2kV, Overheat 80C
Switch Input	3x Momentary or Latch
Operating Temperature	ta 0 to 55C, tc 80C
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-IT1-W

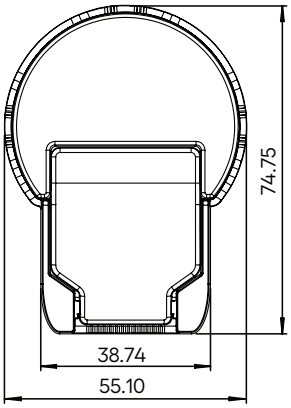


Top View

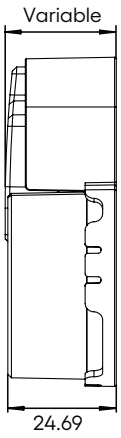


Side View

VS-ISM-W (with T1 installed)



Top View



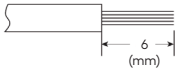
Side View

Wiring Schematic

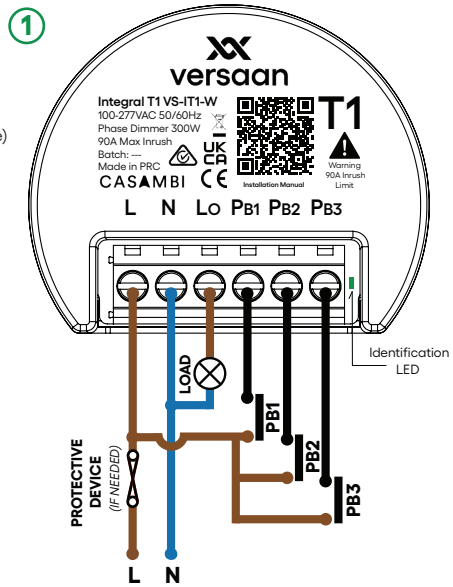
KEY:

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

Wire Strip Length (mm)



WARNING
Do Not Exceed The
90A Maximum Inrush
Current Specified Above



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.

Important Conditions Of Use
Carefully calculate the continuous and inrush current of the total load to ensure it doesn't exceed the maximum (max) as specified or risk T1 damage or failure voiding warranty.

Push button (momentary) or latching switches can be connected to the T1. If a latching switch is connected use Control Priority via the Casambi app to define Closed (Active) and Open (Inactive) states. The T1 uses Live connections through PB1, PB2 and PB3 in order to detect open or closed circuits and activate corresponding scenes, groups etc in the Casambi mesh network. Overheat protection activates at 80C turning output off completely, once the T1 cools down it can be used again by accepting the condition in the app or by cold power cycling the device.

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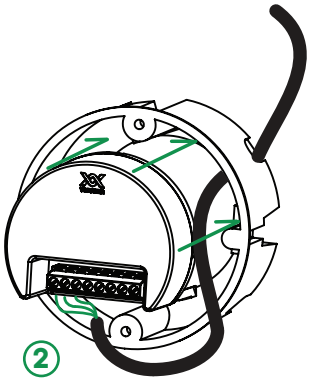
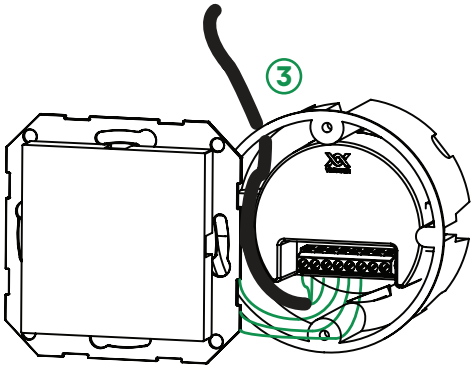
Installation

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*.

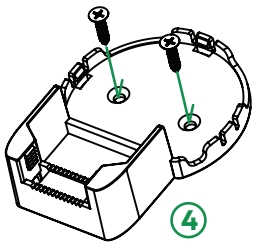


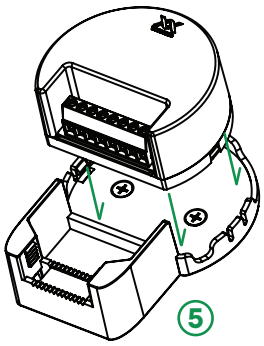


4. Depending on the Integral product, connect push button inputs to their respective push buttons on the switch (see fig 3).
5. Secure the push button switch to the back box as per the manufacturers instructions.

Surface Mount

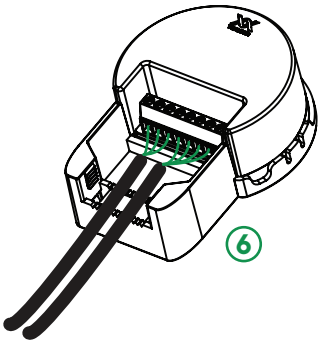
1. Install 2x M3 screws provided with the Integral Surface Kit (*fig 4*). Screw centres are 25mm apart.

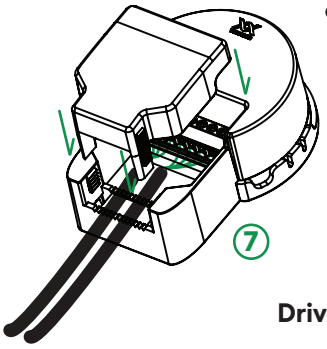




2. Press Integral into the Surface Kit. The snap locks will click into place (*fig 5*).

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

Profiles

Model	Description
Integral T1 DIM/PB 3ch	Trailing Edge Dimmer designed for Resistive and general LED loads with 3 switch inputs (Lin) (default)
Integral T1 DIM/LEDB/PB 3ch	Trailing Edge Dimmer designed for SMD LED Bulbs with 3 switch inputs (Lin)
Integral T1 DIM/FILA/PB 3ch	Trailing Edge Dimmer designed for Filament LED Bulbs with 3 switch inputs (Log)
Integral T1 RELAY/PB 3ch	On/Off Control with 3 switch inputs

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