

Order Codes

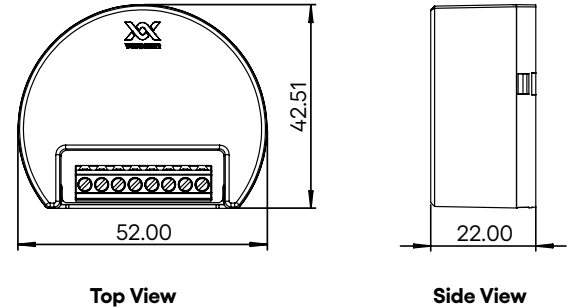
Product SKU	Description
VS-IP1-W	Integral P1 - White
VS-ISM-W	Integral Surface Kit - White

Technical Specification

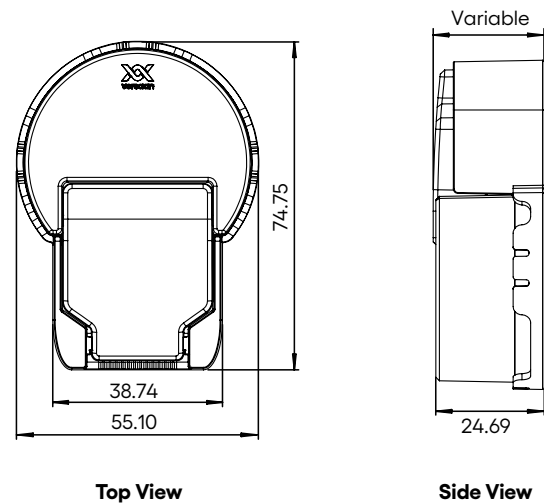
Control	Casambi
Wireless Range	98m/LR 180m (OA LOS)
Supply	12-48VDC
Voltage Output	4CH PWM 12-48VDC
12VDC Max Load	15A/CH (16A All CH's)
24VDC Max Load	12.5A/CH (16A All CH's)
48VDC Max Load	8.2A/CH (8.2A All CH's)
LED Strip Type	SC, RGB, RGBW, TW
Frequency	18kHz
Operating Temperature	0 to 55C
Wiring	Loop in/loop out
Terminal Capacity	1.5 mm ²
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-IP1-W



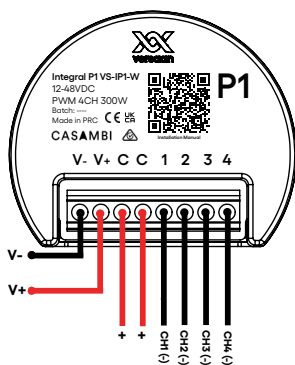
VS-ISM-W (with P1 installed)



Wiring Schematic ①

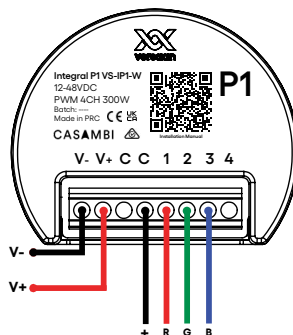
Wire Strip Length (mm) 

1-4 Single Colour Channels



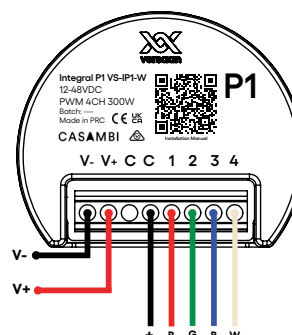
KEY:	
V- = 12-48VDC (-)	1 = Channel 1 (-)
V+ = 12-48VDC (+)	2 = Channel 2 (-)
C = Common (+)	3 = Channel 3 (-)
	4 = Channel 4 (-)

RGB



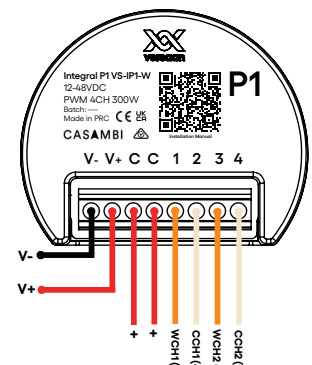
KEY:	
V- = 12-48VDC (-)	1 = Red (-)
V+ = 12-48VDC (+)	2 = Green (-)
C = Common (+)	3 = Blue (-)

RGBW



KEY:	
V- = 12-48VDC (-)	1 = Red (-)
V+ = 12-48VDC (+)	2 = Green (-)
C = Common (+)	3 = Blue (-)
	4 = White (-)

1-2 Tuneable White Channels



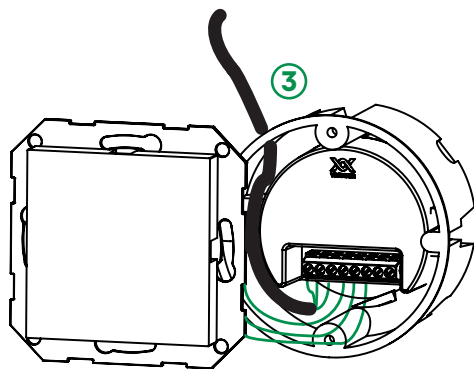
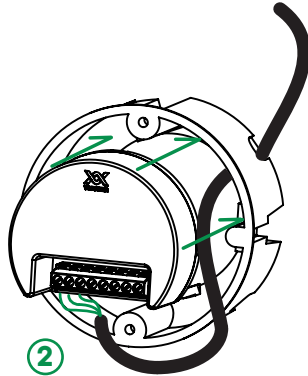
KEY:	
V- = 12-48VDC (-)	1 = Warm White CH1 (-)
V+ = 12-48VDC (+)	2 = Cold White CH1 (-)
C = Common (+)	3 = Warm White CH2 (-)
	4 = Cold White CH2 (-)

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 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.

Safety Information

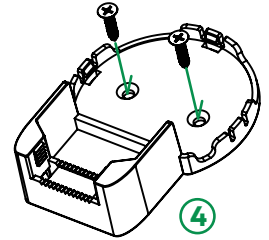
Install only by a licensed electrician. Turn off and isolate the electrical supply before installation. No user serviceable parts; servicing voids the warranty. Installers must comply with building and safety codes. Refer to relevant standards. Do not exceed maximum stated voltage or load, doing so voids warranty.

Profiles

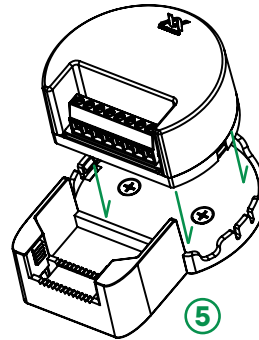
Fixture	Model	Description
43394	Integral P1 PWM/1ch/DIM	Basic one channel PWM dimmer.
43395	Integral P1 PWM/2ch/DIM,DIM	Two channel PWM dimmer.
43399	Integral P1 PWM/2ch/DIM,TW	Two channel warm/cool mixer.
43396	Integral P1 PWM/3ch/DIM,DIM,DIM	Three channel luminaire.
43398	Integral P1 PWM/3ch/DIM,RGB	RGB fixture, reduced variant of PWM/4ch/Dim,RGBW.
39866	Integral P1 PWM/4ch/2x(DIM,TW)	Dual-TW fixture with 4 channels for independently controlled (Warm and Cold white) pairs of outputs
38856	Integral P1 PWM/4ch/DIM,DIM,DIM,DIM	Four channel luminaire (Default)
43397	Integral P1 PWM/4ch/DIM,RGB/White	Four channel RGB fixture with White. The ratio between RGB and White is selected with mixer.
39865	Integral P1 PWM/4ch/DIM,RGBW	Four channel RGB fixture with White. RGB is always present but amount of White be adjusted.

Surface Mount

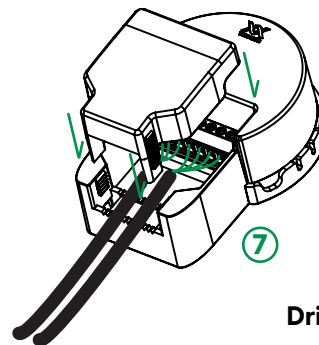
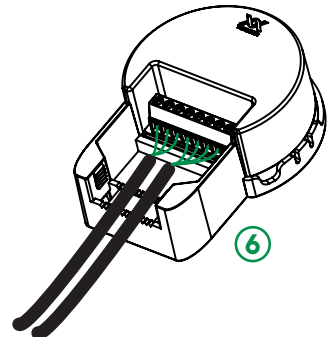
1. Install 2x M3 screws provided with the Integral Surface Kit (fig 4). Screw centres are 25mm apart.



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

