Integral P2
Installation Manual

Order Codes

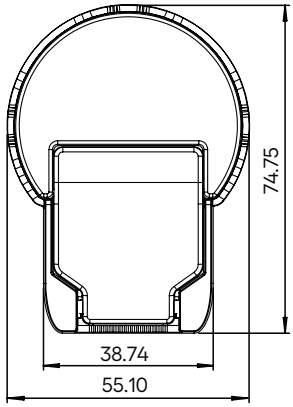
Product SKU	Description
VS-IP2-W	Integral P2 - White

Technical Specification

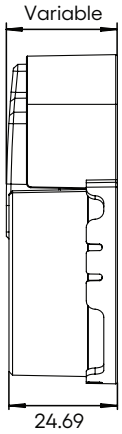
Control	Casambi
Wireless Range	86m/LR 160m (OA LOS)
Supply	12-48VDC
Voltage Output	5CH PWM 12-48VDC
12VDC Max Load	15A/CH (16A All CH's)
24VDC Max Load	12.5A/CH (16A All CH's)
48VDC Max Load	8.2A/CH (8.2A All CH's)
LED Strip Type	SC,RGB,RGBW,RGBTW,TW
Frequency	16kHz
Operating Temperature	0 to 55C
Wiring	Screw / Push Terminal
Terminal Capacity	2.5mm² In / 1.5 mm² Out
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-IP2-W



Top View



Side View

Wiring Schematic ①

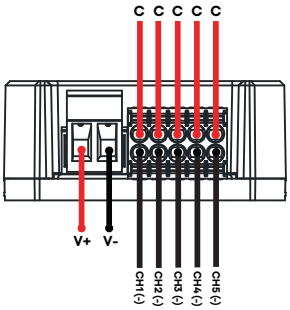
Wiring Information

Input Wire Strip Length (mm) — 7 (mm)

Output Wire Strip Length (mm) — 8 (mm)

Input Wire Diameter (mm)	Output Wire Diameter (mm)
0.2-2.5mm²	0.2-1.5mm²

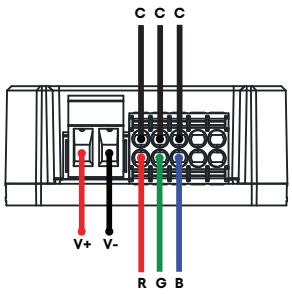
1-5 Single Colour Channels



KEY:

V+ = 12-48VDC (+) **1** = Channel 1 (-)
V- = 12-48VDC (-) **2** = Channel 2 (-)
C = Common (+) **3** = Channel 3 (-)
4 = Channel 4 (-)
5 = Channel 5 (-)

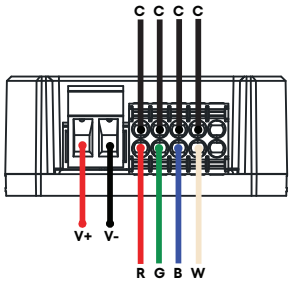
RGB



KEY:

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

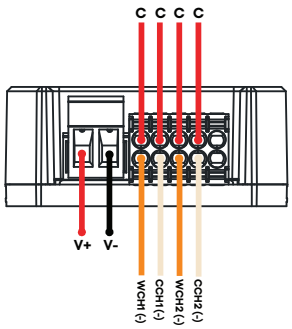
RGBW



KEY:

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

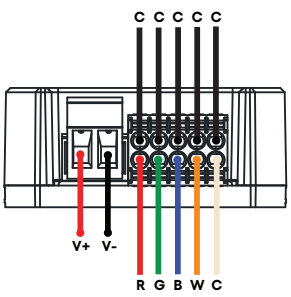
1-2 Tuneable White Channels



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 (-)

RGBTW



KEY:

V+ = 12-48VDC (+) **1** = Red (-)
V- = 12-48VDC (-) **2** = Green (-)
C = Common (+) **3** = Blue (-)
4 = Warm White CH1 (-)
5 = Cold White CH1 (-)

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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.

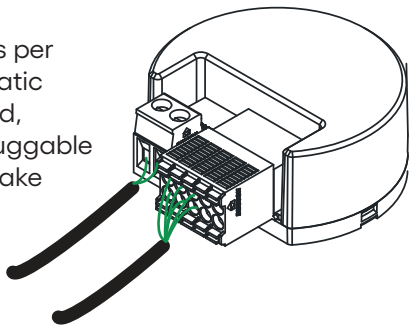
Installation

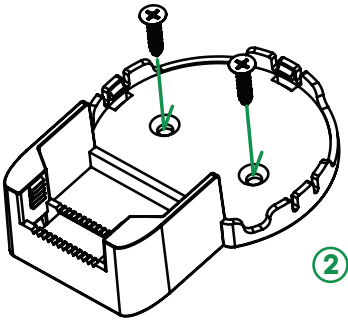
Unbox the product and carefully inspect it for any signs of damage. If you notice any defects or issues, do not proceed with the installation. Return the product to the original place of purchase for an exchange.

Driver Requirements

Phillips	Slotted
M3/PH1	3.5mm

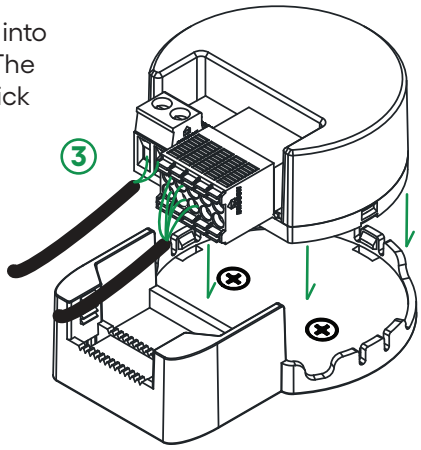
1. Install wiring as per Wiring Schematic *(fig 1)*. If needed, remove the pluggable terminals to make install easier.



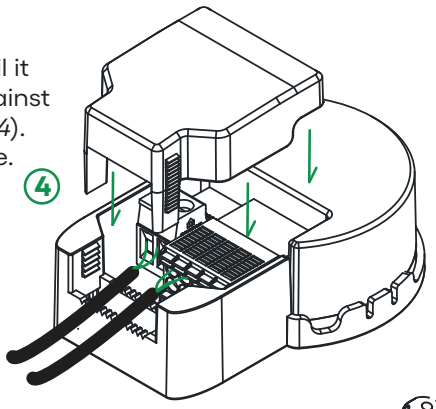


2. If P2 is required to be permanently fixed to a surface, install 2x M3 screws provided with the Integral P2 (*fig 2*). Screw centres are 25mm apart.

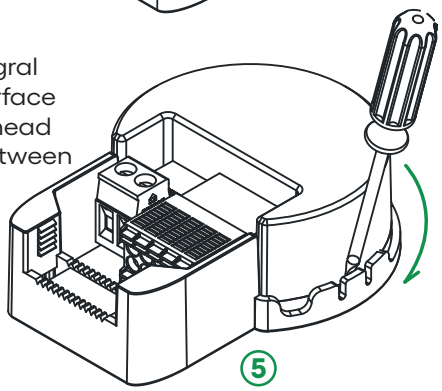
3. Press Integral P2 into the Surface Kit. The snap locks will click into place (*fig 3*).



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



6. To remove Integral P2 from the Surface Kit insert a flathead screw driver between the P2 and kit. Press down, unlocking one of the snaps. The P2 will then release (*fig 5*).



Fixtures

Fixture	Model	Description
51402	Integral P2 PWM/1ch/DIM	One channel PWM dimmer
51403	Integral P2 PWM/2ch/DIM,DIM	Two channel PWM dimmer
51405	Integral P2 PWM/2ch/DIM,TW	Two channel warm/cool mixer (1500-6500K)
51404	Integral P2 PWM/3ch/DIM,DIM,DIM	Three channel PWM dimmer
51406	Integral P2 PWM/3ch/DIM,TW	Three channel warm/cool mixer (1500-6500K)
51410	Integral P2 PWM/3ch/DIM,RGB	RGB colour control and dimmer
51397	Integral P2 PWM/4ch/DIM,DIM,DIM,DIM	Four channel PWM dimmer
51407	Integral P2 PWM/4ch/DIM,TW	Four channel combined warm/cool mixer (1500-6500K)
51409	Integral P2 PWM/4ch/DIM,DIM,TW	Four channel, two dimmers and warm/cool mixer (1500-6500K)
51408	Integral P2 PWM/4ch/2x(DIM,TW)	2x TW dimmer with 4 channels for independently controlled (W and C white) pairs of outputs (1500-6500K)
51391	Integral P2 PWM/4ch/DIM,RGB/White	Four channel RGB control with White. The ratio between RGB and White is selected with mixer
51411	Integral P2 PWM/4ch/DIM,RGBW	Four channel RGB control with White. RGB is always present but amount of White be adjusted
51149	Integral P2 PWM/5ch/DIM,DIM,DIM,DIM.DIM	Five channel PWM dimmer. Dimmer for control of all channels (Default)
50598	Integral P2 PWM/5ch/DIM,RGBTW	Five channel RGB control with TW. The ratio between RGB and TW is selected with mixer (1500-6500K)

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