

Integral R1

The Integral R1 is a versatile wireless relay engineered for effortless integration into smart control systems. Designed for high-performance switching, it supports up to 10A output, ensuring reliable operation of high-power loads. Equipped with three switch inputs, it provides flexible manual control alongside advanced automated wireless functionality through Casambi. The R1 is part of the Integral range of controllers offering miniaturised design and expansive control of DALI, Phase-dim, Relay and PWM luminaires.



Features

Control

With a wide 100-277VAC power input, the Integral R1 provides on/off control for up to a 10A output with 250A inrush allowing connection of high inrush devices like LED lighting. Three switch inputs allow control of scenes, dimming, on/off programming through Casambi.



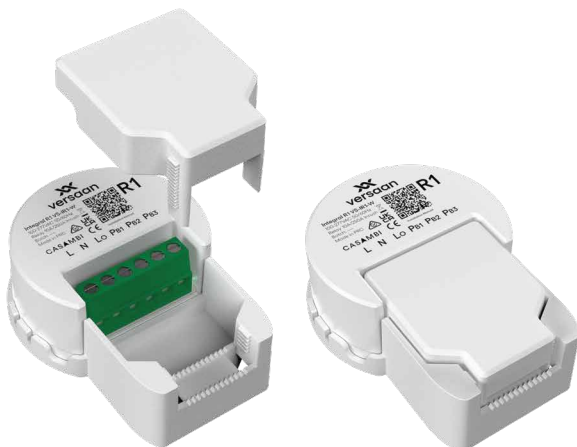
Compact

Boasting a small form factor the R1 fits into switch boxes allowing easy connection to traditional push buttons switches.



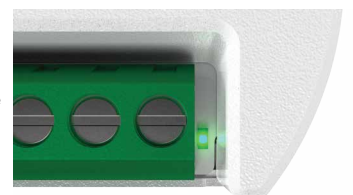
Versatile

The Integral Surface Kit allows any Integral product to be surface mounted while also providing strain relief with the built-in snap cable clamp. Two M3 screws are secured below the Integral during installation providing a streamlined aesthetic.



Identify

The built-in LED indicator makes identifying the R1 effortless. Useful when pre-commissioning Casambi networks before product is sent to site or when more than one Integral product is installed in the same switchbox.



Explore

Explore the Integral range, a comprehensive control solution featuring DALI, Phase-dim, Relay, PWM, and Push Button control all seamlessly integrated into a single enclosure architecture. Designed to provide complete control of luminaires with support for multiple dimming and control types in residential and commercial projects.





Integral R1



Specifications

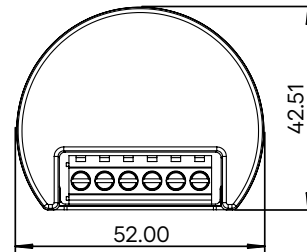
Order Codes

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

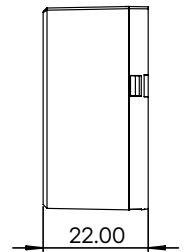
Technical Specification

Dimensions (VS-IR1-W)	52x42.51x22mm
Dimensions (VS-ISM-W)	74.75x55.10x24.69mm
Control	Casambi (inc Long Range)
Wireless Range	98m/LR 180m (OA LOS)
Supply	100-277VAC 50/60Hz
Output	Relay 10A Capacitive Relay 10A Inductive Relay 10A Resistive
Max Inrush Current	250A/1ms, 140A/10ms
Switch Input	3x Momentary, Latching or External (HVAC, Security etc)
Ambient Temperature	-10 to 50C TA
Max Case Temperature	60C TC
Wiring	Loop in/loop out
Terminal Capacity	2.5 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 - VS-IR1-W (mm)

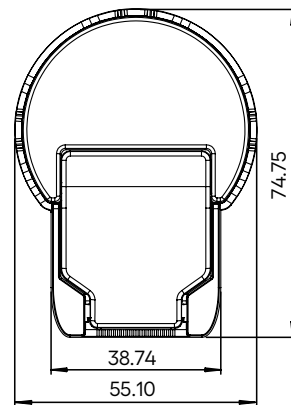


Top View

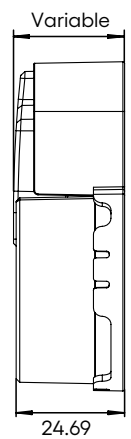


Side View

Dimensions - VS-ISM-W (with R1 Installed)



Top View



Side View