



R1

1-relay module · WiFi

One circuit and one push-button in a mini format, for a wall box.

1

RELAY 8 A

1

INPUT

WiFi

2.4 GHZ

mini

WALL BOX

PART NUMBER **S-RW001**FAMILY **Relays**FIRMWARE **4.3.14**

Datasheet S-RW001

RELAY OUTPUTS

Count	1 relay, NO contact
Contact	Voltage-free IN ↔ OUT: the load can be AC or DC, independent of the module supply
Rated current	8 A at 250 VAC resistive; 5 A at 30 VDC
Max. power	2000 VA / 150 W
Electrical life	100,000 operations at rated load
Coil-contact isolation	3000 Vrms
Connection	One pluggable 6-pole terminal, 5.08 mm pitch, 16 A, up to 2.5 mm ² (supply, output and input)
Behaviour on restart	Last-state restore after a power cut, configurable

INPUTS

Count	1 (S1 · S2)
Type	Opto-isolated (3750 Vrms), for push-button or switch
Input voltage	230 V AC between S1 and S2 (S1 tied to L-IN). Voltage-free external contact only; never SELV circuits. When powered at 12-24 V DC: beta.
Gestures	Single, double, triple and long press, each with its own action. Debounce and timings configurable.

POWER SUPPLY

Supply	100-240 VAC, 50/60 Hz (85-265 VAC), direct mains connection
Isolation	Non-isolated internal supply. Inputs isolated 3750 Vrms. Install in a closed enclosure.
Consumption	≈ 0.7 W idle; ≈ 1.1 W with the relay on · calculated
Optional DC supply	12-24 V DC: + on L-IN, – on N-IN. Inputs S1 · S2 beta at DC (fully supported at 230 V AC).

COMMUNICATIONS

WiFi	2.4 GHz 802.11 b/g/n, built-in antenna
Ethernet	No

Commissioning	Own WiFi access point with captive configuration portal. No app required.
KNX	KNXnet/IP routing and tunnelling; objects per channel; CSV and .knxproj export for ETS
Modbus TCP	No
Matter	Yes (single endpoint): Apple Home, Google Home, Amazon Alexa
Local API	HTTP REST + local automations (event → URL) with conditions
Drivers	Savant, Crestron Home, RTI, Vantage, URC
Updates	OTA over the internet (stable and beta channels) or local file, no cloud

MECHANICAL AND ENVIRONMENT

Format	Mini enclosure for wall box or junction box
Dimensions	40.6 × 40.6 × 19.1 mm
Weight	≈ 25 g · estimated
Protection	IP20 (indoor, in enclosure)
Operating temperature	0 to +50 °C

STANDARDS

Directives	LVD 2014/35/EU, EMC 2014/30/EU, RED 2014/53/EU, RoHS 2011/65/EU
KNX / Matter	Compatible. Not certified by KNX Association or CSA.
Warranty	2 years

