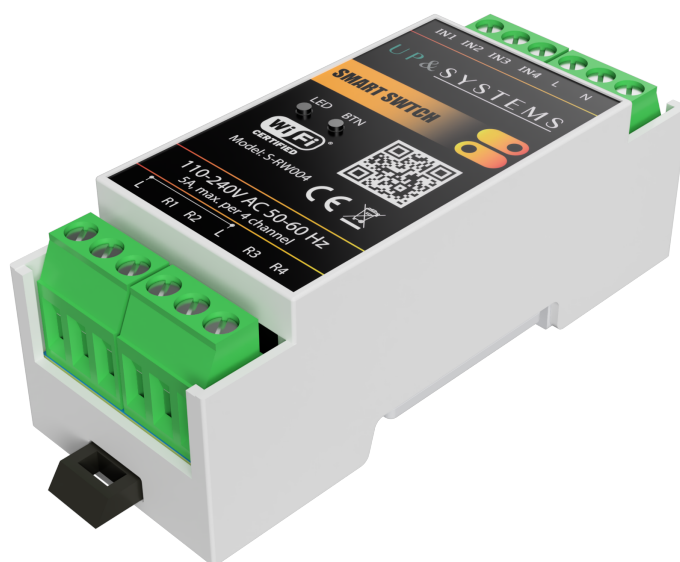




R4

4-relay module · WiFi

Four circuits and four push-buttons, powered directly from 230 V.

4

RELAYS

4

INPUTS

WiFi

2.4 GHZ

DIN

2 MODULES

PART NUMBER **S-RW004**FAMILY **Relays**FIRMWARE **4.3.14**

Datasheet S-RW004

RELAY OUTPUTS

Count	4 independent relays, NO contact
Rated current	5 A per output at 250 VAC (10 A relay, safety margin)
Commons	L (R1/R2) and L (R3/R4) linked on the board: feed both. Outputs all AC or all DC.
DC rating	10 A at 30 VDC
Max. power per output	2770 VA / 300 W
Total module current	20 A (4 × 5 A); each L common carries two outputs, 10 A < 16 A terminal rating · calculated
Electrical life	60,000 operations at 7 A
Coil-contact isolation	4000 VAC, reinforced insulation
Connection	Pluggable 6-pole terminals, 5 mm pitch, 16 A, up to 2.5 mm ²
Behaviour on restart	Last-state restore after a power cut, configurable per channel

INPUTS

Count	4 (IN1-IN4)
Type	Opto-isolated (3750 Vrms) with rectifier, for push-button or switch
Input voltage	230 V AC between L and INx. Voltage-free contact only; never SELV. Module at 12-24 V DC: beta.
Gestures	Single, double, triple and long press. No preset link: set in Triggers.

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; ≈ 1.9 W with all 4 relays on · calculated
Optional DC supply	12-24 V DC: + on L, – on N. Inputs beta at DC.

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 (bridge, one endpoint per channel): 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	35 mm DIN rail, 2 modules
Dimensions	36.1 × 90 × 32.2 mm (W × H × D); 97 mm with clips
Weight	≈ 75 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

