



R8

8-relay module · PoE

Eight independent circuits and eight push-buttons. Mains or PoE powered, Ethernet and WiFi.

8

RELAYS 16 A

8

INPUTS

PoE

802.3AF

5

PROTOCOLS

PART NUMBER **S-RE008**FAMILY **Relays**FIRMWARE **4.3.14**

Datasheet S-RE008

RELAY OUTPUTS

Count	8 independent relays, NO contact (SPST-NO)
Rated current	16 A at 250 VAC per output, resistive load (subject to wire gauge and terminal)
Max. switching voltage	277 VAC
Max. power per output	4000 VA
Load type	AC loads
Electrical life	50,000 operations at rated load
Coil-contact isolation	4000 VAC
Connection	4 pluggable 4-pole terminals, 5.08 mm pitch (2 poles per relay)
High-inrush loads	Motors and LED drivers with high inrush: use a contactor
Behaviour on restart	Last-state restore after a power cut, configurable per channel.

INPUTS

Count	8 (IN1-IN8)
Type	Opto-isolated (3750 Vrms), one per channel, for a push-button or volt-free contact.
AC / DC selector	4-pin header on the board: 1 GND DC · 2 DC · 3 AC · 4 N. Jumper on 3-4 = AC (factory); jumper on 1-2 = DC.
AC mode	Contact between L and INx at 230 V AC. N on the AC IN terminal is required. Fully supported.
DC mode	External 12-24 V DC supply: + → contact → INx, – to GND DC. Beta.
PoE only	PoE does not power the inputs: with nothing on AC IN or GND DC they never trigger.
Gestures	Single, double, triple and long press, each with its own action. Debounce and timings configurable.
Connection	GND DC + 8 inputs, pluggable terminal, 3.81 mm pitch.

POWER SUPPLY

Option 1 · Mains (main)	100-240 VAC, 50/60 Hz, AC IN terminal (PE · N · L). Internal fuse and varistor.
Option 2 · PoE	IEEE 802.3af over the network cable (class 0). Powers the module, not the inputs.
Isolation	Mains-logic 2500 VAC; PoE 1500 Vpk
Consumption	≈ 1 W idle; ≈ 6 W with all 8 relays on · calculated

COMMUNICATIONS

Ethernet	10/100 Mbps, RJ45
WiFi	2.4 GHz 802.11 b/g/n, external antenna. Automatic Ethernet → WiFi failover
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	Server, port 502, up to 2 clients, published register map
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, 6 modules
Dimensions	105.6 × 111.7 × 57.9 mm (W × H × D, terminals included)
Weight	269 g
Protection	IP20 (indoor, in enclosure)
Operating temperature	0 to +50 °C

STANDARDS

CE marking	CE. EU declaration of conformity in preparation.
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

