

RY AUXILIARY RELAYS

RY range of auxiliary relays has been designed to complement the already extensive accessories range supplied by SyxthSense. The RY relays are controlled by 24 Vac/Vdc or 0..10Vdc signals depending on the models.

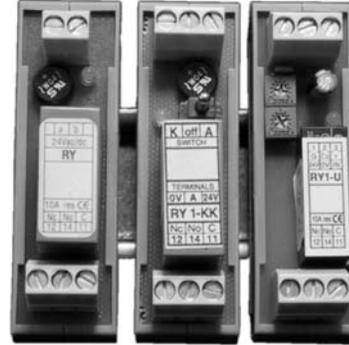
The RY relays have 230Vac, 10A resistive output rating and change-over contacts providing flexibility for the installation.

RY1, RY1-K and RY1-KK relays load the control signal approximately 20 mA (24 Vac).

RY1-U and RY1-U-K are economical voltage controlled relays converting a 0..10 Vdc analogue input into a contact output. RY 1-U is loading the analogue signal less than 0.2 mA. The set point of the relay (0..10 V) and hysteresis (0.2..1.0V) are adjustable. The output relay will operate when the input signal (voltage) exceeds the set point, and it will release when the input signal (voltage) drops below the set point by the amount of the hysteresis.

The wiring terminals accept cables up to 2.5 mm². RY1-K and RY1-U-K relay modules have plug-in wiring terminals on the output side.

RY-relay units are housed in an IP 20 enclosure, and its dimensions are 22.5 x 77 x 52.5 mm (w x h x d).

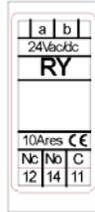


Model Types	Model	Description
	RY1	RY1 Auxiliary relay
	RY1-K	RY1-K Auxiliary relay with plug-in output terminals
	RY1-KK	RY1-KK Auxiliary relay with manual on/off/auto override
	RY1-U	RY1-U Voltage controlled relay
	RY1-U-K	RY1-U-K Voltage controlled relay & plug-in output terminals
Technical Data	Power Supply	24Vac, 1VA – required for RY1-KK, RY1-U, RY1-U-K
	Input Signals	24Vac, 0.5 VA or 24Vdc, 0.4 W or – RY1, RY1-K, R1-KK 0..10 Vdc, < 0.2 mA – RY1-U, RY1-U-K
	Output Relay	230 Vac, 10A resistive, change-over contact
	Protection Class	IP20
	Dimensions	22.5W x 77H x 52.5D mm
User Settings (RY1-U, RY1-U-K only)	Set Point	P1 – 0..10Vdc (output relay switches on above the set point) Factory Default 5V
	Hysteresis	P2 – 0.2 ...1Vdc (output relay switches off below set point - hysteresis) Factory Default 0.5V

Wiring Terminals



The electrical installation, device connection and commissioning can only be carried out by qualified professionals and according to the local wiring regulations!



RY1 & RY1-K

- a - input 24 Vac
- b - input 0 Vac
- 11 - output relay common (C)
- 12 - output relay, normally closed (NC)
- 14 - output relay, normally open (NO)



RY1-KK

- 24V - input 24 Vac
- A - control 24 Vac
- 0V - control 0V
- 11 - output relay common (C)
- 12 - output relay, normally closed (NC)
- 14 - output relay, normally open (NO)



RY1-U & RY1-U-K

- 1 - supply voltage 24 Vac
- 2 - 0V
- 3 - control voltage 0...10 Vdc
- 11 - output relay common (C)
- 12 - output relay, normally closed (NC)
- 14 - output relay, normally open (NO)

Dimensions and the User Interface

