



IMPULSE RELAYS

Customer needs

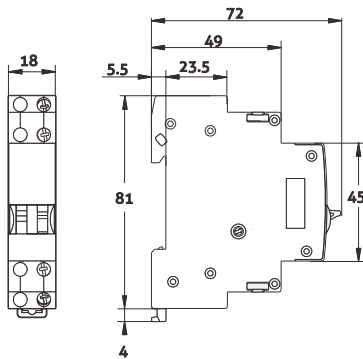
- The lighting system must be able to be turned on locally, by the residents.
- It must be possible to switch off all the lighting areas by means of a centralized control in a single action, to ensure extinguishing of the whole house.
- For practical reasons, all the lighting areas can also be switched on in a single action.

Proposed solution

- The use of Stefan **Impulse Relays** allows both local control of each room and centralized control of the whole house.
- Centralized control is provided by ON/OFF push buttons, remote from all the rooms to be managed.

User/customer benefits

- **Energy savings:** centralized control allows residents.
- **Comfort:** all the rooms in the house can also be switched on in a single action.
- **Ease of installation:** the small size (18 mm) of the impulse relay is equivalent to that of a simple impulse relay.
- MOUNTING:**
 - mounting to 35mm DIN-rail
 - mounting : in different position of installation
 - plastic: nonflammable (self-extinguishing material)
 - ambient temperature: -20°C to + 50°C
 - degree of protection(IEC 60529) : IP20
 - tropicalization(IEC 60068-1) : treatment 2 (relative humidity 95% at 55°C)



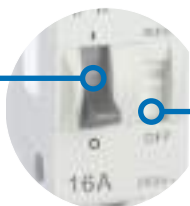
SLR SERIES

Technical Specifications

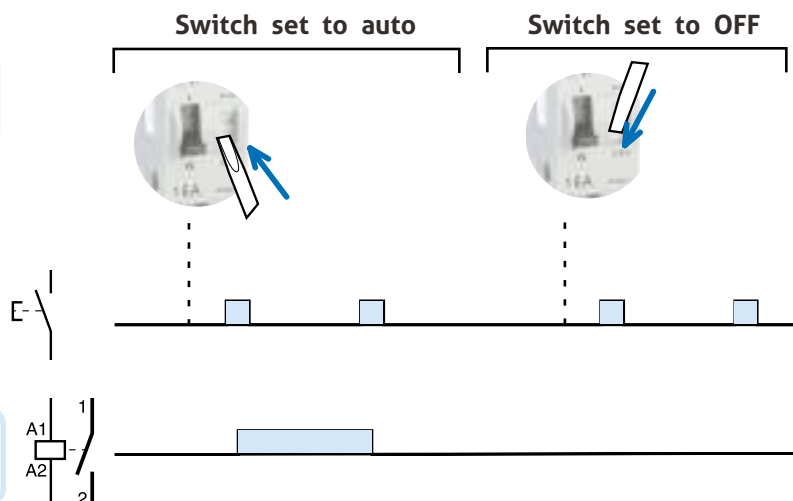
Control circuit	Dissipated power (during the impulse)	1, 2P: 19 VA
	Illuminated PB control	Max. current 3 mA
	Operating threshold	Min. 85 % of Un IEC/EN60669-2-2
	Duration of the control order	50 ms to 1 s (200 ms recommended)
	Response time	50 ms
Power circuit	Voltage rating (Ue)	1P, 2P 24 ...250 V AC
	Frequency	50 Hz or 60 Hz
	Maximum number of operations per minute	5
	Maximum number of switching operation a day	100
Additional characteristics to IEC/EN 60947-3	Insulation voltage (Ui)	440 V AC
	Pollution degree	3
	Rated impulse withstand voltage (Uimp)	6 kV
Endurance (O-C)	Electrical to IEC/EN 60947-3	200,000 cycles (AC21) 100,000 cycles (AC22)
	Overvoltage category	IV

Operation

- Disconnection of remote control by selector switch (except for 4P single-piece BIR) for maintenance operation



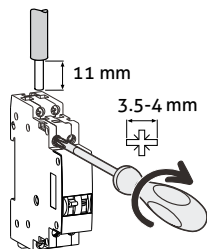
- Manual controls on front face: direct and priority manual control by O-I toggle
- Mechanical contact position indicator



Basic Information for Impulse Relays (5 coils for option)

Type 1P	Rated (Ie) Current	Model	Control voltage (VAC) (VDC)		Contact	In 18 mm modules	Order code
	16A	SLR-***	230	110	1NO+1NC	1	SLR-A11
			130	48			SLR-E11
			48	24			SLR-D11
			24	12			SLR-B11
			12	6			SLR-C11

Connection



Connection

Type	Rating	Length tripping	Circuit	Tightening torque	Copper cables	
					Rigid	Flexible or ferrule
PZ1:4 mm	16A	9mm	Control	1N.m	0.5 to 4mm ² 	1 to 4mm ² 
			Power		1.5 to 4mm ² 	1.5 to 4mm ² 