

USER GUIDE

Code: RPS1000

Electronic silent Step Relay.

Controlled by push-button (3wires).



Electronic Step Relay having Power Output with bistable electromechanical relay.
 Controlled by one or more normally open (NO) push-buttons, even having warning lights (Max 6mA).
 The Relay changes its state (ON/OFF) every time you slightly press on the push-button.
 This commutation occurs during the zero crossing of the main voltage sine curve ("ZERO CROSSING" function). This feature brings long life to relay contact and ensures good short-circuit resistance.
 With this device you can control each kind of resistive and inductive load, provided that they are suitable for main voltage (230Vac).
 You can control each type of capacitive load using electronic drivers.
 Also compact fluorescent lamps and LED lamps at main voltage (230Vac) can be controlled.

Instructions:

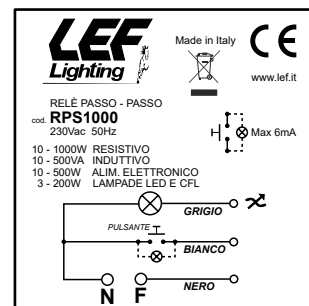
Connect the electronic Step Relay RPS1000 in series with the load.
 The device is operated through normally open (NO) push-buttons, as in the diagrams.
 It is recommended to carefully check the connections before inserting the main voltage because an eventual short-circuit can irreversibly damage the internal electronics.
 The maximum ambient reference temperature is +35°C, so, at each 5% increase of it, you have to lower the maximum power by 20%. The Relay stores the "STATE MEMORY" function even in absence of main voltage (230Vac).

WARNINGS:

Protect the device with a 4A FAST FUSE.
 You can use light push-buttons having a leakage current not greater than 6mA.

Technical Features:

- Power Supply Voltage: 230Vac 50Hz
- Operating ambient temperature: Ta -5°C ÷ +35°C
- No consumption
- «STATE MEMORY» function
- «ZERO CROSSING» function

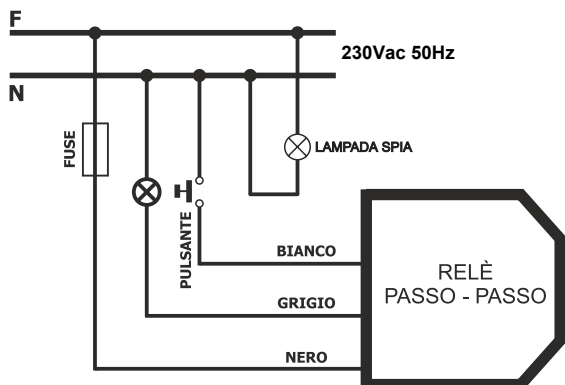


General Characteristics:

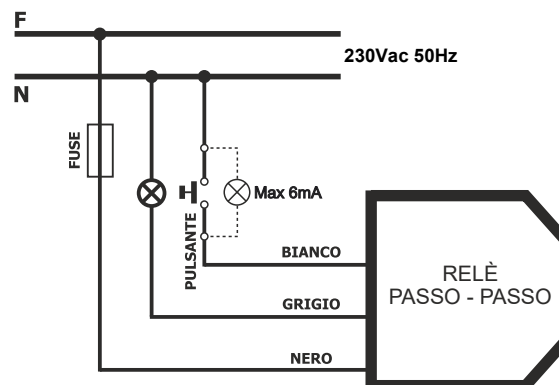
The device is placed in a plastic case (45Lx40Px15H mm) and filled with polyurethane resin compliant to UL 94V-0. The resin coating gives both good electrical insulation and mechanical resistance.

CODICE CODE	Funzione Function	RESISTIVO RESISTIVE	INDUTTIVO INDUCTIVE	INDUTTIVO INDUCTIVE	Alimentatore elettronico con lampade ad incandescenza o alogene Electronic driver with incandescent or halogen lamps	Alimentatore elettronico con lampade LED dimmerabili Electronic driver with dimmable LED lamps	Alimentatore elettronico dimmerabile con uscita in CC/CV per LED Dimmable electronic driver with CC/CV output for LED	Lampade fluorescenti compatte dimmerabili Dimmable compact fluorescent lamps	Lampade LED LED lamps	Peso Weight (g)
RPS1000	RELÈ	Lampade ad incandescenza o alogene Incandescent or halogen lamps 230Vac	Trasformatore lamellare Laminated transformer 230/12Vac	Trasformatore toroidale Toroidal transformer 230/12Vac	230/12Vac	230/12Vac	230/12Vac	230Vac	230Vac	50

Control PUSH-BUTTON connected to NEUTRAL, independent warning light



Control PUSH-BUTTON connected to NEUTRAL



PRODUCT TO BE DISPOSED DIFFERENTLY FROM URBAN WASTE

AEE identification nr.IT18040000010321



Reference standards

EN60669-1
 EN60669-2-1 MADE IN ITALY

LEF LIGHTING S.R.L. - www.lefgroup.com

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