

INSTRUCTIONS Code: RPS400 Electronic silent Step Relay.

Controlled by push-button (3wires).

Electronic Step Relay with TRIAC Power Output.

Controlled by one or more normally open (NO) push-buttons, even having warning lights (Max 5mA).

The Relay changes its state (ON/OFF) every time you slightly press on the push-button.

Relay switching occurs during zero crossing of the network sine wave ("ZERO CROSSING" function), both in the ON state and in the OFF state. This function allows the relay contact a long duration in time and a good resistance to short circuit.

With this device you can control each kind of resistive and inductive load, provided that they are suitable for main voltage (230Vac).

Any type of capacitive load can be controlled as electronic drivers.

Also compact fluorescent lamps and LED lamps at main voltage (230Vac) can be controlled.

Instructions:

Connect the electronic Step Relay RPS400 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 power semiconductor (TRIAC).

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).

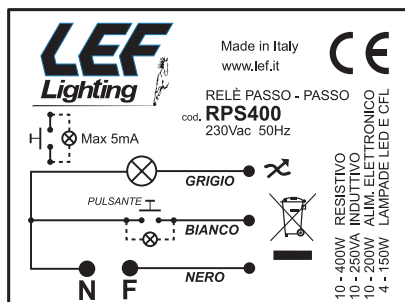
WARNINGS:

It is recommended to protect the device with a 2A FAST FUSE.

You can use light push-buttons having a leakage current not greater than 5mA.

Technical Features:

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



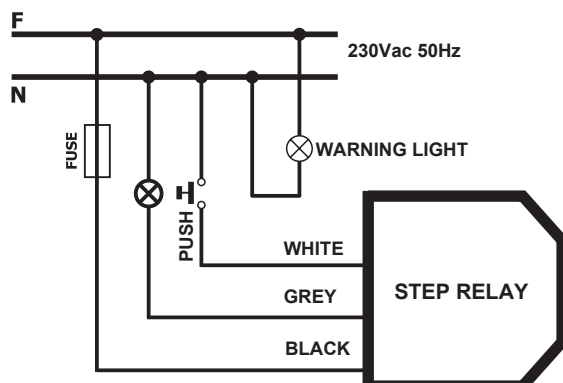
LOAD TYPE	STEP RELAY
RESISTIVE Incandescent or Halogen lamps 230Vac	10 - 400W
INDUCTIVE Lamellar Transformer Output:12Vac	10 - 250VA
INDUCTIVE Toroidal Transformer Output:12Vac	10 - 250VA
CAPACITIVE Electronic Driver for Halogen Lamps (Output: 12Vac)	10 - 250W
CAPACITIVE Electronic Driver for LEDs (Output: 12Vac)	10- 200W
CAPACITIVE Costant Current Electronic Driver for LEDs	10 - 200W
CAPACITIVE Compact Fluorescent Lamps 230Vac	4 - 150W
CAPACITIVE LED Lamps 230Vac	4 - 150W

General Characteristics:

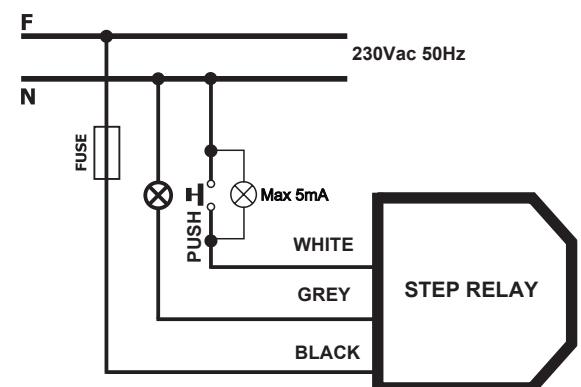
The device is placed in a plastic case (43Lx31Px15H mm) and filled with polyurethane resin compliant to UL 94V-0.

The resin coating gives both good electrical insulance and mechanical resistance.

Control PUSH-BUTTON connected to NEUTRAL, independent warning light



Control PUSH-BUTTON connected to NEUTRAL with warning light



AEE Identification nr.IT18040000010321



PRODUCT TO BE DISPOSED
DIFFERENTLY FROM URBAN WASTE



Reference Standards:

EN60669-1

EN60669-2-1

EN55014

MADE IN ITALY



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