



## Retarder for Disconnection Timer 2 to 45 min. I-139



### TECHNICAL CHARACTERISTICS

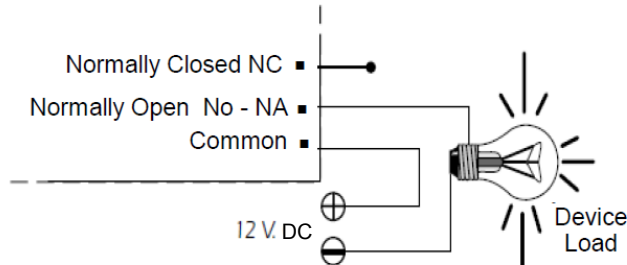
Supply Voltage. ....	230 V. A.C
Mimum consumption. ....	10 mA.
Maximal consumption. ....	60 mA.
Measures. ....	84 x 55 x 30 mm.
minimum timing. ....	2 minutes
maximum timing. ....	45 minutes.
Max output load. ....	5 A

When connected, the I-139 activates the output. When unplugging, hold the output on working time for pre-selected. Includes adjustment potentiometer, LED indicator and terminals.

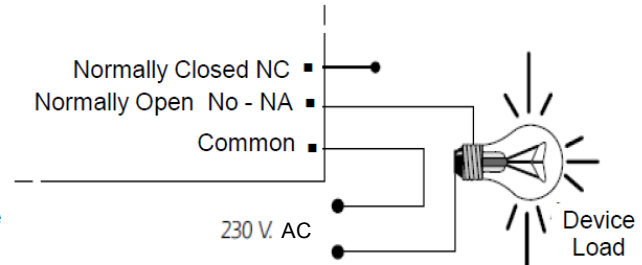
**ALIMENTATION.** The I-139 is powered at 230 V. DC. Note the General Wiring. Using a plug and a network cable, connect the input terminal 230 V. Install a fuse and a switch as shown in the General Wiring. Both are necessary for the adequate protection of the module for your own safety, as reflected in the CE standard. Finally make sure that the installation was successful. Before giving way to activate the switch to the current, make the other connections of the circuit described below. Note that at different points of Circular 230 V module DC so we recommend extreme care and attention during assembly and handling.

**OUTPUT CONNECTION. LOAD.** The output of the I-139 is controlled by a relay device that supports any type of load does not exceed 5 A. The relay is a component that provides tension, but its role is limited to give way or cut the power flow is introduced it, just as happens in a common switch. Therefore, to supply the load through this device. The relay has three output terminals: the Common, the rest normally open (NO) and Normally Closed at rest (NC). Install it between the Common and the NO, as specified in section Connecting the Load. Additionally, you can perform the inverse function, setting the load between the Common and the NC

#### 12V DC CONNECTION

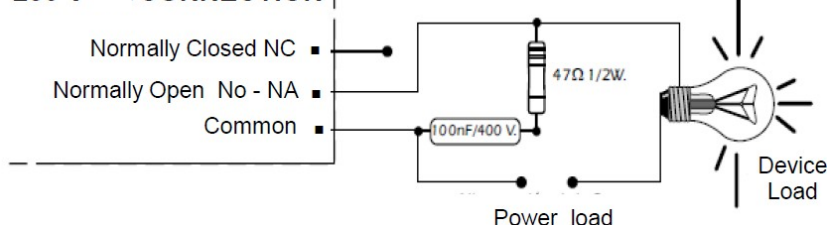


#### 230V AC CONNECTION



**ABOUT THE OUTPUT.** During operation of the circuit, and according to its load, this could be a fluctuation or an incorrect operation of the output. If this happens, install anti-spark circuit between the two relay contacts used in the connection, as shown in the drawing.

#### 230 V AC CONNECTION



**TIMING AND PERFORMANCE.** Install a quality switch terminal "Push", indicated in the General Wiring. In his connection, ensure that the cable length does not exceed 30 cm. If exceeded, use shielded cable, connect the shield of this to the negative terminal of the input button. However, even with shielded cable, the cable length can not exceed 60 cm. Failure to observe this will involve the likely circuit malfunction.

The timing adjustment is performed by adjusting the potentiometer shown in the drawing. To test run the first place to a minimum, you can then adjust it as desired. Once the selected time, turn on the module. This will be awaiting activation.

Then press the start button. While you hold down, connect the output module, but will not start timing. When released, the I-138 will automatically start the timer and maintain the output connected to this end, at which time will be disconnected.

If, before the timer ends, press the button again, the cycle restarts.

**INSTALLATION OF A potentiometer.** If you want to replace the variable resistor adjustment timing by a potentiometer, first unsolder and remove the part. Then connect the terminals of the new pot (2.2 M), the JP1 jumper, indicated in General Wiring.

## GENERAL CONNECTIONS

