**UNIVERSAL TIMER from 2 to 45 min.**

**OPERATING MODE.** The timer adjustment is done after the potentiometer is inserted on the PCB. At beginning of each adjustment, you have to place the potentiometer at the minimum, after you adjust it, according to your realized time.

Once the time selected, the module I-2 could be activated according two different modes: Activation by push button or supplying the module. To activate the module thanks to the push button, you have firstly terminate a quality push button between indicated terminals. See the General Wiring Map. Each time you activate it, and if the previous inquiry is completely finished, the module will be activated, lighting the LED and exiting the delay during selected time. To activate the I-2 each time you supply the module, without using the push button, you have to connect both terminals of the JP1 jumper. Then, each time you supply the module, the timer will be automatically activated.

**INSTALLATION OF THE EXTERNAL POTENTIOMETER.** If you wish to remove the potentiometer already inserted on the PCB and install an external one, you have to firstly detach the resistor from the circuit. Then, install two connection wires from the JP2 Jumper to the new potentiometer. This one has to be a Linear 4M7 potentiometer.

**CONSIDERATIONS OVER ALASILDA.** During the functioning of the circuitry, and according to its function, you could install a 0 resistor and a jumper to close the cathode of the diode. At that time the circuit function is completely finished, the LED will be extinguished and the delay during selected time. It is important to note this procedure if you want to use the FE-2 power supply, which has been developed to perfectly answer to the circuit needs.

**TECHNICAL CHARACTERISTICS.**

- **Output voltage:** 12 V DC
- **Minimum Consumption:** 15 mA
- **Maximum Consumption:** 60 mA
- **Minimum Timing:** 2 minutes
- **Maximum Timing:** 45 minutes
- **Protection against Inversion Polarity:** P.I.P.
- **Sizes:** 76 x 43 x 30 mm

**INSTALLATION.** The 12V circuit had to be supplied by a 12V DC power supply correctly blocked. We recommend you to use the FE-2 power supply, which has been developed to perfectly answer to the circuit needs.

Install a fuse and a switch has also its indication on the schedule. Both are necessary for the module's protection as well as for your own safety, as it is required by the "CE" regulations.

The power supply has to supply some positive and negative terminals of the module, indicated in the wiring map. The distance between the power supply and the module has to be at least as possible, verify that the assembly is correct.

**OUTPUT CONNECTION.** The I-2 is not compatible with a 230V AC circuit, and it accepts up to 5A. The module is not a component supplying voltage but its function is limited to acquire or deny the voltage passage like a standard switch. For this reason, you have to supply the load through the component.

Thereby has three output terminals: the Normally Open (NO), the Normally Closed (NC) and the common. Install it between the Common and the NO in accordance with the schedule "Output Connection Load." For the inverse function you have to place the load between the NC and Common.

**Fig. 0.** For a connection at 12V D.C.and 230V A.C. at the module output.

**GENERAL WIRING MAP.**

**TECHNICAL CONSULTATIONS.**

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Keep the invoice of this module. For any repair, the corresponding model has to be added. If the model is not presented together with the invoice, the module's warranty will be automatically canceled.

All the modules CEBEK have 3 years of total warranty in technical repairing and, spaces from the date of guilty.

**TEMPORIZADOR UNIVERSAL de 2 a 45 min.**

El I-2 es un temporizador estándar. Mantener la salida activa hasta que la temporización finalice.

El dispositivo del temporizador se inserta en el circuito. Admite actualización por suavizado alimentación o por cierto contacto mediante pulsador.

El ajuste de temporización se realiza mediante un resistor en el circuito.

El ajuste del tiempo se realiza mediante el potenciómetro del circuito. Inicialmente el resistor del circuito es de 0 resistencia, después se puede ajustar en el tiempo deseado.

**TECHNICAL CHARACTERISTICS.**

- **Power Supply:** 12V DC
- **Consumption:** 15 mA
- **Consumption Limit:** 60 mA
- **Minimum Timing:** 2 minutes
- **Maximum Timing:** 45 minutes
- **Protection against Inversion Polarity:** P.I.P.
- **Sizes:** 76 x 43 x 30 mm

**INSTALLATION.**

**CONSUMPTION MINIMUM..........................................................................................15mA.**

**TELEPHONE NUMBER.**

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