The I-51 module activated an operating time, which can be selected between 1 and 100 Sec. each 24 Hours thanks to the potentiometer inserted in the PCB.

The cycle is maintained till you disconnect the power supply. It makes an indicator lights up in reset and a relay output.

**TECHNICAL CHARACTERISTICS.**

- **Voltage**: 12 V DC.
- **Minimum Consumption**: 20 mA.
- **Maximum Consumption**: 90 mA.
- **Minimum Timing**: 1 second.
- **Maximum Timing**: 100 seconds.

**ACTUATION OF THE OPERATING TIME**

Each 24 hours.

**Max. Load Output admissible by relay**: 3 A.

**Protection against Polarity Inversion**: (I.P.) Yes.

- **Sims.**: 90 x 63 x 30 mm.

**INSTALLATION.**

**POWER SUPPLY.** The I-51 circuit had to be supplied by a 12 VDC power supply correctly filtered. We recommend you to use a power supply, which has been developed to perfectly suit the circuit needs.

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

Connect the power supply and the module as it is indicated in the paragraph General Wiring Map. The distance between the power supply and the module has to be as short as possible. Verify that the assembly is correct.

**OUTPUT CONNECTION. LOAD.** The I-51 output is controlled by a relay, and accepts any device up to 5 A. The relay is not a component supplying voltage but its function is limited to accept or deny the voltage passage like a standard switch. For this reason, you have to supply the load through this component.

The relay has three output terminals: the normally open quartz (NO), the normally closed quartz (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.**

**INFORMATION ABOUT THE OUTPUT.** During the operating mode and according to the product, it could happen a fluctuation or an incorrect working of the output. In such case, you have to install an anti-spark between both contacts of the used relay for the connection.

If the load connected to the relay is supplied by 230 V, you have to use a 100 nF/400 V Capacitor.

**Fig. 1. How to connect the Load.**

**GENERAL WIRING MAP.**

**KINDS.**

<table>
<thead>
<tr>
<th>POWER SOURCE</th>
<th>LOAD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mains</td>
<td>I-51</td>
</tr>
<tr>
<td>Transformer</td>
<td></td>
</tr>
</tbody>
</table>

**CONNECTION OF THE MODULE.**

- **Device**.
- **Circuit**.
- **Switch**.
- **Module**.

**TECHNICAL CONSULTATIONS.**

If you have any doubt, you could contact your wholesaler or Technical Department.

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- ** sat@cebek.com**

- **Do not activate the operating time and then adjust the potentiometer.**

**CONSULTAS TECNICAS.**

*All the module's CEBEK have 3 years of total warranty in theoretical repairing, and spans from the date of buy. Much more CEBEK modules are available in our products range, please, require our general catalogue or visit our Web side.*

http://www.cebek.com