



# LB-9

## -15 V. - 100 mA. DC-DC CONVERTER / INVERTER



The LB-9 module is a DC-DC converter to invert any positive input voltages between 5 and 12 V D.C. -300 mA to a fix

-15 V D.C output.

The maximum constant output intensity is 100 mA.

It is supplied from the input voltage.

### TECHNICAL CHARACTERISTICS.

Voltage. ....	From +5 up to +12 V. DC. - 300 mA.
Output Voltage. ....	- 15 V. DC.
Maximum Output Intensity. ....	100 mA.
Output Ripple. ....	40 mVp-p.
Operating Efficiency. ....	89 %.

### OPERATING.

**MODULE'S SUPPLY :** The module is supplied from the input voltage. This one had to be in a margin superior than +5 V/300 mA and inferior than 15 V DC. and perfectly stabilised. Then, we suggest you to not use standard rectifiers neither power supply. You have to use voltage signal from stabilised power supply or batteries. Install a fuse and a switch as it is indicated in the drawing ; both are necessary for a correct module's protection and for your own safety as it is indicated in CE regulations. Before to activate the switch, proceed as it is indicated hereafter.

**OPERATING.** The LB-9 module invert any positive input voltage include between 5 and 12 V in a stabilised - 15 V DC output. Connect the positive and negative terminals of the input voltage that you wish convert to the corresponding terminals indicated in the wiring map.

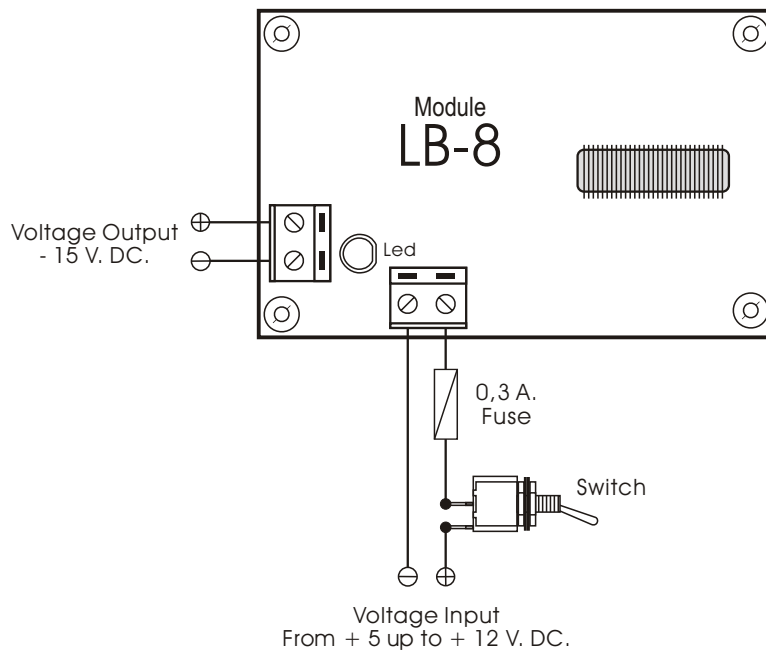
Then, you have to connect the output load respecting the polarity of the devise or connected circuit. When this operation is done, you could press the switch, the led will light on and the module will be activated supplying - 15 V DC.

Do not forget that the maximum output intensity is 100 mA. Then, you could not connect superior loads.

**DO NOT FORGET :** To avoid any interference problems, we suggest you to shield the circuit installing it in a metallic enclosure and connecting the negative terminal to the box.



**GENERAL WIRING MAP.**



**TECHNICAL CONSULTATIONS.**

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

- Via E-Mail, [sat@cebek.com](mailto:sat@cebek.com) | by mail P.O Box 23455 - 08080 BARCELONA - SPAIN

- **Keep the invoice of this module.** For any repair, the corresponding invoice had to be added. If the invoice is not presented together with this module, the module's warranty will be automatically cancelled.

All the module's CEBEK have **3 years of total warranty** in the technical repairing, and spares from the date of buy.

**MORE 300  
MODULES.**

CEBEK is trade make of FADISEL S.L. more than 300 module's are available in stock for any purpose **request our CATALOGUE**, or visit our Web. [Http://www.cebek.com](http://www.cebek.com)

**WARRANTY**

**3  
YEARS**