



"AND" / "NAND" LOGICAL DOOR with RELAY.

The I-77 module do the AND/NAND logic operation regarding two input signals, connecting the corresponding output. It allows to select the operating mode as AMD or NAND door. It incorporates indicator LED and protection against polarity inversion.

TECHNICAL CHARACTERISTICS.

l	Voltage. Minimum Consumption. Maximum Consumptio. Maximum admissible load. Input signal level Protection against polarity inversion, (PI.P). Dimensions.	
l	Minimum Consumption.	5 mA.
l	Maximum Consumptio.	55 mA.
l	Maximum admissible load	5 A.
L	Input signal level .	0 - 12 V. D.C. (TTL - CMOS).
l	Protection against polarity inversion, (P.I.P.).	Si.
l	Dimensions.	70 x 38 x 30 mm.
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POWER SUPPLY and INSTALLATION..

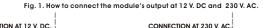
drawing.

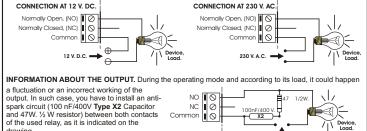
POWER SUPPLY. Th I-77 circuit had to be supplied by a 12 VDC power supply correctly filtered. For this reason we recommend you to use the FE-2 power supply, which has been developed to perfectly answer to the circuit needs. To supply the module you have to connect the positive and the negative of the power supply

to the respective terminals indicated as "Power", respecting the corresponding polarity. The distance between the power supply and the module has to be as short as possible. Install a fuse and a switch has it is indicated on the "General Wirling Map" drawing. Both are necessary for the module's protection as well as for your own safety, as it is required by the "CE" regulations. Verify that the assembly is correct.

Note: Install a fuse and a switch has it is indicated 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. Consult the corresponding power supply's instruction manual. Then, Verify that the assembly is correct.

OUTPUT CONNECTION. LOAD. The I-77 output is controlled by a relay, and it 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 quiescent (NO), the normally closed quiescent (NC) and the common. Install it between the Common and the NO in accordance with the drawing "Fig.1" For the inverse function you have to place the load between the NC and Common.





Device Load.

To supply the Load

OPERATING MODE.

SIGNAL INPUT. The control signal injected to the module must to be TTL or CMOS type, therefore, the maximum voltage level accepted by the circuit is 12 V D.C. Connect the negative of the two input signals you wish to control to the negative terminal of the module's

Dower supply. Then, connect one of the inputs to control to the terminal indicated as input. A. The outstanding input must to be connected to the input. B. See General Wiring Map paragraph. The length of the cable as to be as short as possible. Fig. 2. Electrical drawing of the input 12 V

If the distance is superior to 50 cm, you should use shielded cable. connecting the braid with the negative to the terminal ground. The maximum

In the central terminal, "Com+" is internally connected to the positive of the

circuit, for this reason it can be used for the loaic operations in substitution of the first of this feature in the factor in the tagle operations in additional of the tagle operation of the tagle operation of the tagle operation of the tagle operation of the modules input. The I-77 can operate like AND door, you tagle of the tagle operation operation of the tagle operation oper

have to close or to connect terminals of OUT jumper. At the opposite, if you wish to configure the circuit as NAND door, you have to close the OUT jumper

GENERAL WIRING MAP. No Nc Common Fuse 11 250 m4 000 Ø 8 Relay 230 V. A.C O Led Module I-77 suppl **O** €IĢ 000 True table ⊘∎⊕ (Q Con A $\otimes | | \Theta |$ Output B Z 5 Module FE-2 Inputs 0000 ÷Ó÷ Α В Ø 0 0 Off On ୭ୖୖ୲୲୕ୖ୕ୖ Es lo 0 1 0ff On ¢ -**0**†0--0 Off On 1 0 SIGNAL - A SIGNA é (Q) 15 V. A.C 1 1 0n Off TECHNICAL CONSULTATIONS. For any consultations, please contact our technical department. sat@cebek.com | byfax. 93.432.29.95 | **By Post** c/Quetzal, 17-21. (E-08014) BARCELONA invoice fo this module. To apply the warranty, you have to add a copy of thi sone. By F-Mail ep the invoice fo this modu Without this invoice, the 3 years warranty offered to this product, will be automatically cancelled.

All CEBEK modules have a **TOTAL WARRANTY of 3 YEARS** concerning man labour, and components from the purchase date.

more ! + CEBEK's CEBEK offers much more different products which can interest you. Consult our web site : www.cebek.com 3 NINE COLOR

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