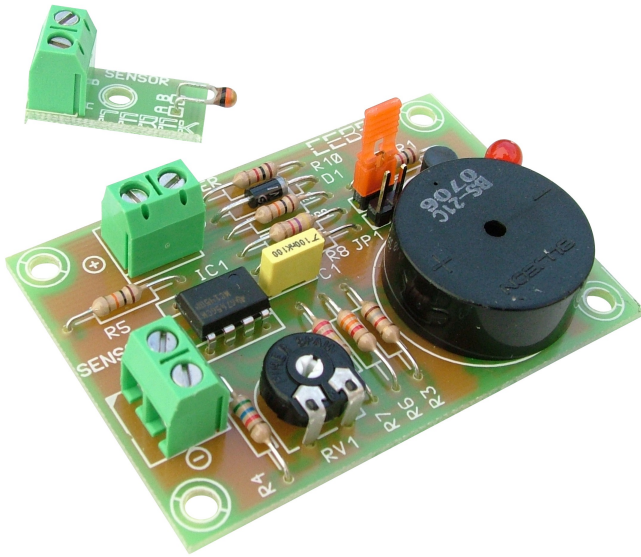


TEMPERATURE CONTROL ALARM I-84



TECHNICAL CHARACTERISTIC

Power Supply.....	12V.D.C.(De 6a16).
Minium consumption.....	2mA.
Maximum consumption.....	25mA.
Sizes.	65x45x15mm.
Mini. Adjustable Temperature.....	0°C.
Maxi. Adjustable Temperature.....	100°C.
Protection against polarity inversion,(P.I.P.).....	Yes.

The I-84 module is an alarm for temperature control. It could be configured for as increase indicator or as decrease indicator according to the selected temperature.
It is included: accoustical indicator, status Led and temperature probe.

POWER SUPPLY. The I-84 circuit can to be supplied between (6-16 V.D.C) power supply correctly filtered ,but 12V. D.C. Is your perfect valour. We recommend you to use the FE-2 powers uply, which has been developed to perfectly answer to the circuit needs.

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

Connect the positive and the negative of the power supply to the respective positive and negative terminals of the module, indicated in the wiring map. The distance between the power supply and the module has to be as short as possible. Verify that the assembly is correct.

INSTALLATION. It is important to well select the probe place, because the accuracy of the module will basically depend on it.

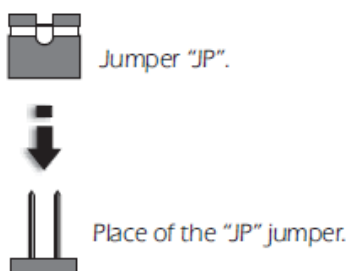
See «General Wiring Map». Make the probe's connection with a parallel cable for a length less than 50cm. If the Required length is superior than 50cm, or if the installation is done into an industrial area, you have to use shielded cable, connecting the braid to the terminal with the ground symbol. Then, you will protect the circuit against industrial atmospherics as well as against the possibility to lose the signal. In all cases, do not use a cable with a length more that 2m.

Install the module into a plastic enclosure, and fit it in a safety place without risk of flood or high humidity.

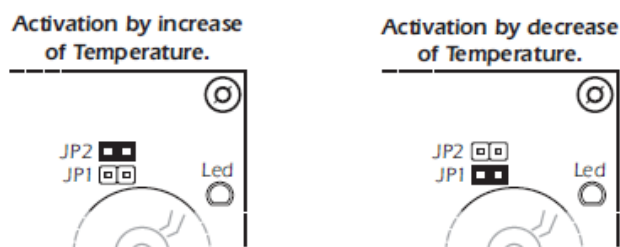
OPERATING. The I-84 module accepts two operating modes; it use the acoustic and luminous indicator when the temperature exceed the selected temperature, or the opposite function.Then ,the activation is done when the probe's temperature will do down under the selected temperature.

To select one of both function, you have to place the JP jumper according to your need. See the Pic.1 and Pic.2.

Pic. 1. Insertion Mode.



Pic. 2. To place the "JP" jumper according to the function.



If you place the JP jumper on the JP2 position, the module will operate as an alarm for temperatures superior than the selected temperature.

In the opposite case, if you place the JP jumper on the JP1 position, it will be selected as alarm for temperatures inferior than the selected temperature.

After configure the circuit's operating mode, you have to place the probe close to the object or place that you wish to control. Adjust the activation temperature using the adjustable resistor.

When the probe will reach the pre-selected temperature, the acoustic and luminous indicator lights till the module is stopped.

If you have configured the I-84 module as an over-temperature detector, as soon as the probe will reach the selected Temperature, the module is activated until the temperature decrease.

In the opposite case, if you have configured the I-84 module as an under-temperature detector, when the probe detect a temperature inferior than the selected temperature, the module will be activated and maintained in this status until the probe detect again a temperature value equal or superior than the selected temperature.

GENERAL WIRING MAP

