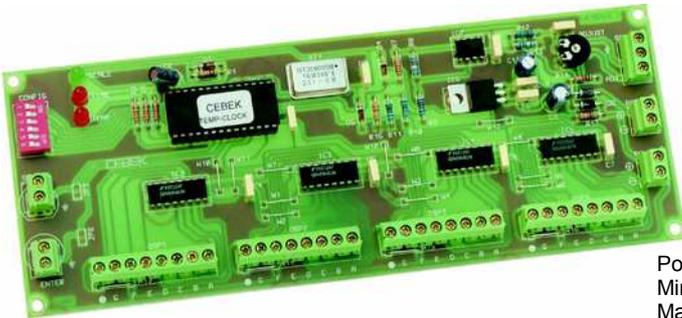


## WATCH - THERMOMETER with out 7 SEGMENTS CD-25



### Technical characteristics

Power .....	12 V. D.C.
Minimum / Maximum consumption. ....	150 mA / 520 mA.
Maximum consumption battery. ....	33 mA.
Time display. ....	Format 24 H, (hours, minutes)
Temperature min / max. ....	-23°C / 105°C.   -9,40°F / 221°F.
Temperature Resolution. ....	1°C .
Alternative timing for data visualization. ....	1 a 8 sec.
Logic Outputs. ....	7 Segment / TTL-CMOS.
Reverse polarity protection (PIP). ....	Yes.

It is a clock with date and thermometer with Type 7 segment outputs. Especially suitable for displays: CD-23, CD-24, CD-53 and CD-54. Select a functioning solely as a clock or combination with the date and / or temperature, with adjustable flash. Supports be configured to display temperature in **Celsius or Fahrenheit**. Incorporates input auxiliary battery in case of power failure, temperature probe and leds

**POWER** : 12VDC power supply we recommend Cebek ref. FE-123, which adapts to the needs of the circuit. A positive and negative input clamp. Install a fuse and a switch for the protection and safety, as reflected CE standards.

**Battery input** : The module has an input for 12 VDC battery. In case of loss of power supply, the circuit will switch to this entry consumption, ensuring the maintenance and monitoring of operations of the circuit. While the module will serve as input battery to minimize the consumption, turn off the displays, using only the minimum functions to continue operations module. Once power is restored, the displays light up again without losing the continuity of operation. The input circuit has no battery charging, so you should periodically check the status of it. At installation, connect the positive and negative battery to the corresponding input of the module. Observe the polarity indicated.

**Connection page PROBE** : The cable length between the probe and the basic circuit is decisive for optimum accuracy. The maximum distance that the module supports, is 100 cm. For this connection I used shielded cable, using the mesh connecting the terminal with the ground symbol. For distances less than 40 cm. You can use standard cable. Do not change, alter or adjust the variable resistor circuit indicated as "Sensor Adjust", otherwise destabilize the factory settings and therefore cause the temperature error.

**PUSH INSTALLATION** : Install two buttons at the entrances: ENTER and SELECT. The distance of the cable should not exceed 50 cm.

**FUNCTIONS. SETTING TIME AND TEMPERATURE CORRECTION** : To start time setting, press and hold Press the "Enter" and then turn the power circuit. After 3 sec. the two displays of the minutes start blinking and you can release the button "Enter". The two displays that remain unblinking, (h), are those that may change. Per-click Enter, it will increase by one. If you keep Enter pressed briefly, the increase will occur progressively faster. To finish setting the time and start the minutes, briefly press the "Select", the corresponding displays the minutes be fixed and you can modify the same way as on the hour. Completed setting the hour and minute, a new press on Select will display temperature correction appear.

According to the different conditions where the CD-26 gets installed and while the module is factory set, a small margin of error may occur between the actual temperature and collected by the display. To correct this error, you can increase or decrease to 5 degrees based circuit temperature.

After setting the minutes, as we specified above, when press Select only illuminate the display units, indicating that the display has entered temperature correction. I factory is set to zero. Each press of Enter, will increase by one degree. From 5, each press will decrease a degree to get back to zero.

Finally a last-click Select record the changes in the circuit and return the module to normal display data.

**DATA DISPLAY.** The module can be configured to show only the time, display temperature only, or select a combined operation, alternately appear in the time and temperature. To choose the desired operating module locate the dips 1 and 2

**Configuration data visualization**



Viewing combined  
Time - Temperature



Unique time display



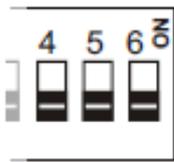
Exclusive temperature  
display



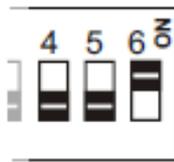
Viewing combined  
Time - Temperature

**TIMING ADJUSTMENT FOR COMBINED OPERATION:** If you select an alternative time and temperature display may adjust the time each data remains on the display. By dips 4, 5 and 6 and according to place, you select a time of being intermittency 1 and 8 sec.

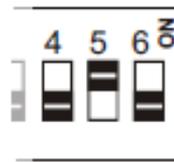
**Timing Adjustment flashing**



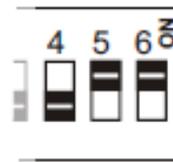
1 seg.



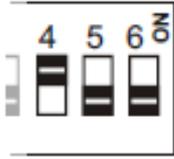
2 seg.



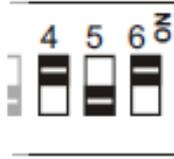
3 seg.



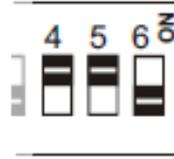
4 seg.



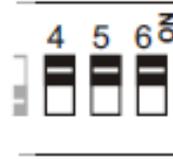
5 seg.



6 seg.



7 seg.

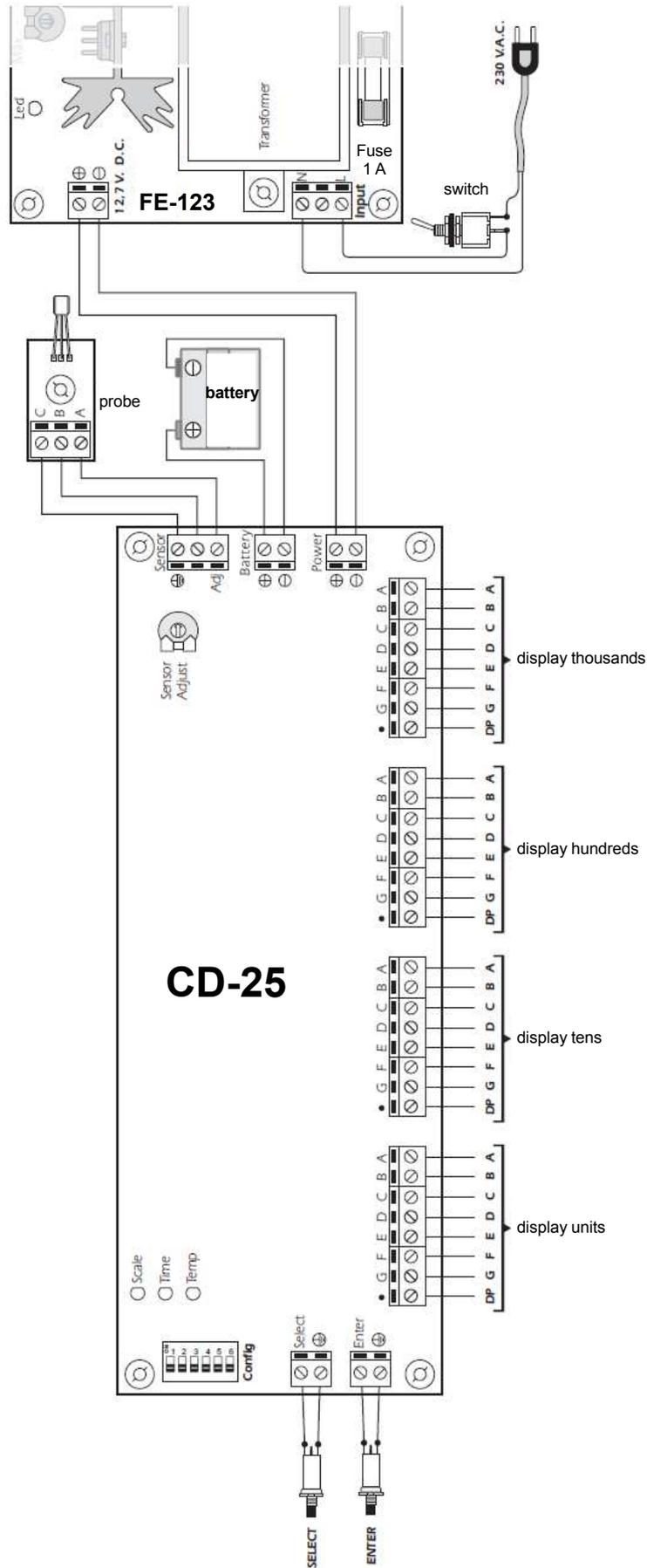


8 seg.

**BEHAVIOR OF LEDS.** The module has several LEDs to indicate its operating status. The Scale LED will illuminate whenever you select a time greater than 4 sec flashing. The Time and Temp LEDs alternately light when the display shows the time or temperature correspondingly

**OPERATION. SAMPLING OF TEMPERATURE:** The module has been designed especially to display ambient temperatures, in which the changes occur at a low speed. For this reason the circuit will wait for the temperature probe is stable for a short time to display on the display, making it unsuitable for industrial controls, or places with fast.

GENERAL WIRING MAP.



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