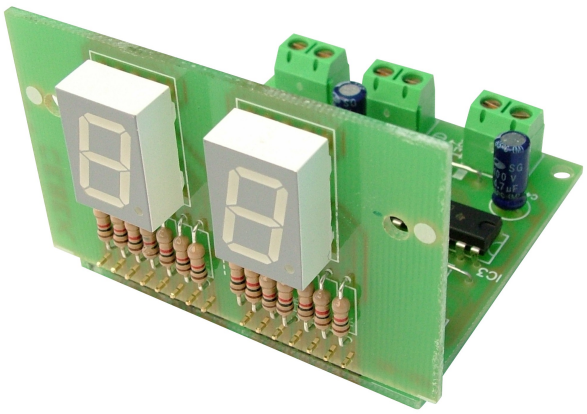


MINI DIGITAL COUNTER
CD-9

TECHNICAL CHARACTERISTICS

Operating Voltage..... 12 V. D.C.
Minimum Consumption..... 50 mA.
Maximum Consumption..... 150 mA.
Displays..... 2 x 0.5" display (13,5mm).
Maximum Frequency to count..... 25 Hz.
Protection against polarity inversions..... Yes.

The CD-9 module, is a cyclic mini digital counter up with a maximum of 99 units. Specially recommended for small applications, models, etc.. It shows data thanks to a 13,5 mm display.
It also includes a reset function, front panel, and connection terminals to facilitate the assembly.

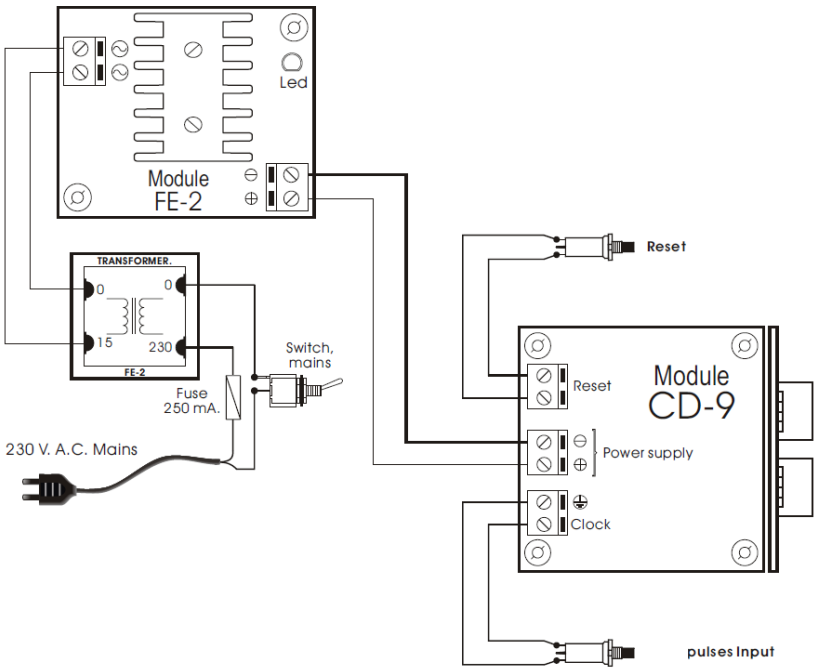
OPERATING

POWER SUPPLY. The CD-9 circuit had to be supplied by a 12 VDC power supply.
Then, we recommended you the FE-2 power supply which has been developed to perfectly answer to the circuit needs. Connect the positive of the power supply to the positive terminal indicated in the wiring map, then connect also the negative of the power supply to the negative terminal indicated in the circuit. Cables used to connect the power supply and the module had not to be too long.
Verify that the assembly has been correctly done.

OPERATING. Seeing the "General wiring map", you have to connect a push button to the terminal indicated as impulses input and an other one at the terminal indicated as Reset. "ENT" in the PCB.
Press the push button corresponding to the impulses input and with each impulse the module will add a number at the previous. If you pass over the maximum count up capability (99 units), the module will start from the zero a new count up.
If you wish to use the reset function, you have to slowly press the reset push button and automatically the display will erase data and stay at zero till you activate press again.

INSTALLATION & HANDLING. The impulses input is controlled by contacts closing but it is also possible to use contacts with potential free as push button or switch. If the impulses input was an external clock, it has to be supplied with the same 12 V D.C power supply that the use for the module.
Then, do not forget that because of the "rebound effect" filter included with the module, the maximum input frequency is 25 Hz.
For the push button connection, the cable length have to be less than 100 cm, and for more than 25 cm, you have to use shielded cable.
For the installation, you have to use a metallic enclosure and connect the negative terminal to it. The module could be disturbed by industrial interference, caused by coils, relays, neon, etc,, Try to not supply other devices with the same power supply

GENERAL WIRING MAP.



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