



# XT-4

## 1 IMPULSE PER MINUTE OSCILLATOR.

The XT-4 module is an oscillator which offer 1 logical impulse each minute. It is specially indicated as time basis, thanks to its high precision based on quartz Crystal.  
It requires between 5 and 15 V D.C- Recommended power supply FE-2 module or batteries.  
As all the following information is very important, we advise you to completely read this manual instruction.

### TECHNICAL CHARACTERISTICS.

Voltage.....	5 - 15 V D.C
Minimum consumption.....	45 mA.
Maximum consumption.....	60 mA.
Frequency.....	1 Impulse / Minute
Protection against polarity inversion.....	Yes
Sizes.....	55 x 55 x 18mm.

### OPERATING.

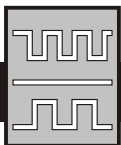
**POWER SUPPLY.** The XT-4 module could to be supplied from 5 up to 15 V D.C. We suggest you the FE-2 module which perfectly answer to the module requirement. If you wish that the module XT-4 offer TTL signals, you have to supply it with 5 V D.C  
Connect the positive terminal of the power supply with the positive terminal indicated in the drawing. Do the same think with the negative terminal.  
**Verify that the assembly have correctly done.**

**OPERATING.** Connect the impulses output to the required application and supply the module. Each minute, the XT-4 module will supply a logical impulse each minute till you disconnect the power supply.  
If you wish to supply TTL signals instead of CMOS, you have to supply the module with 5 V D.C.

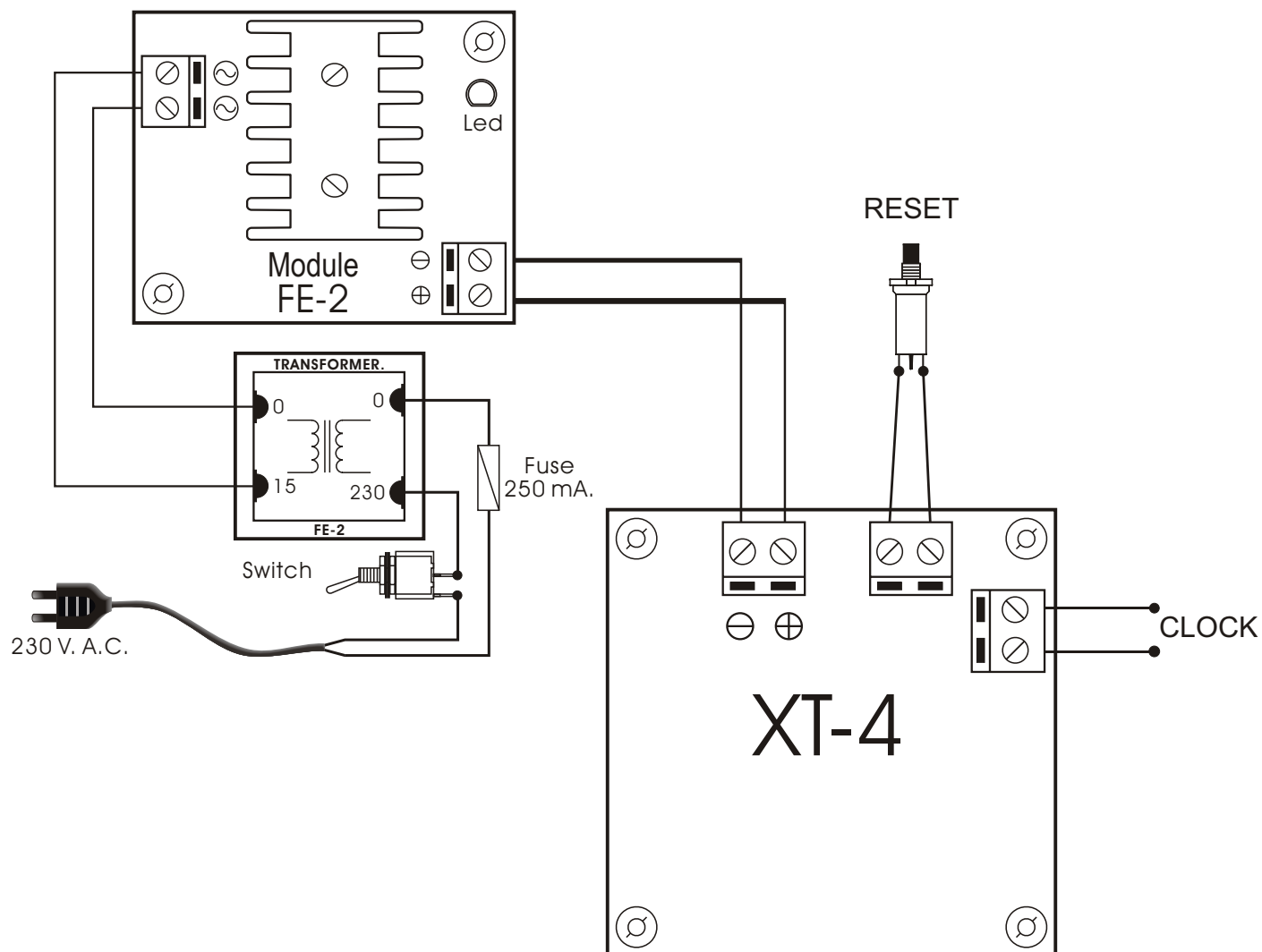
**RESET.** Connect the reset push button to the corresponding terminals. See the drawing. If you wish to start again the cycle, press the push button. When you press it, the module will start from this moment to count up the minute.

**DON'T FORGET.** Do not forget that to assure the compatibility between the XT-4 module and the circuit that you wish to supply the signal, both have to be supply with the same voltage and power supply.

**INSTALLATION.** Cables used to connect the impulses output (clock) have to be as short as possible. If they are



## GENERAL WIRING MAP.



## TECHNICAL SUPPORT AND INFORMATION.

For any questions or more information:

**By Fax.** (24h.) +34.3. 432.29.95

**By Mail:** C/ Quetzal, 17-21, Entlo. 2º (08014) BARCELONA - SPAIN.

**By E-Mail:** [cebek@sakma.es](mailto:cebek@sakma.es)

**Keep you invoice.** For any repairing could you send this with module. Else, the module will lost the warranty.

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

**WARRANTY**

**3  
YEARS**

**300  
MORE  
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.  
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