XM10

Room temperature module

The XM10 module reads room temperature using an internal probe and converts the value in 0 to 5 Hz frequency pulsed output.

XM10 comes in a plastic container with two holes (D=4.75mm) for easy wall-mounting using screws.

Measurement accuracy

The temperature range that can be measured with XM10 is -10°C to +65°C with a guaranteed ±1.5 °C tolerance on output pulses measurement.

Correct use conditions

To measure room temperature, it should be installed at about 1.8 m, away from heat sources. A cable with two power supply conductors must be used for a module with a section of 0.5 mm2 and a section of no less than 0.22 mm2 for the pulsed output conductors. With this type of cable, the maximum length must not exceed 350 m.

XM10 module equipment and features
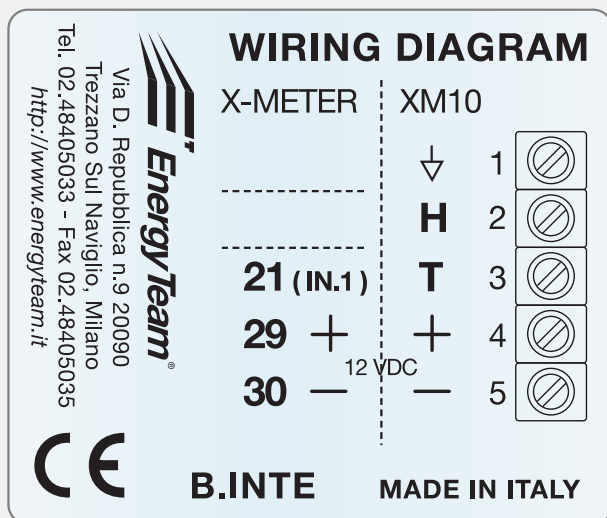
The module has two LEDs on the front panel:
> The **RED LED** is located on the front panel and flashes with every output impulse.It remains steady when the input measurement exceeds the range given above.
> The steady **GREEN LED** indicates that the device operation is in progress.

An upgrade from XM10 to XM11 can be done at any time, even by the customer, purchasing built in temperature and humidity sensor and installing in the device.

Applications

When added to X-Meter/RWU, XM10 allows acquiring room Temperature values in Offices, Data Centres, warehouses, shopping centres, etc.

Power supply	12 Vdc
Consumption	0,85 W / 71 mA
Measurement range	-10+65 °C
Accuracy	±1,5 °C
Screw terminal board Max cable dim.	1.5 mm^2
Type of pulsed output	0/5 Hz
Weight	50 gr
Width	64 mm
Height	76 mm
Depth	26 mm
Protection rating	IP20
Container type	plastic

Pulse

▽ Pulsed output negative terminal*
> for X-Meter, terminal 30
> for RWU terminals C1/2/3

H Not used

T Pulsed output positive terminal
> for X-Meter terminals from 21 to 28
> for RWU terminals EA-ER-SE-G SG-W

- + Power supply 12 Vcc
The X-Meter device can supply up to 2 modules (XM8-9-10) on terminals 29 (+) and 30 (-).

* connected inside the terminal