



Transceiver Module



Product number : **TM13E**

**230VAC - 50 Hz - 300W
LOAD RATING**

Key Features

- Controls up to sixteen different X10 modules.
- Built-in appliance module switched outlet.
- Compatible with all X10 wireless remotes.
- Available in a wide range of plug style (British, German, French, Italian, Euro-style, Swiss, Australian / New Zealand, Danish, etc.).

Benefits

The TM13E responds to wireless Radio Frequency (RF) signals from any X10 wireless remote controls or wireless wall switches. It re-transmits, over the house wiring, any signals it receives from these wireless remote controls or wall switches.

A built-in appliance switched outlet responds to X10 signals received on the power line or to RF signals received from any X10 wireless remote controls.

The TM13E responds to a serial control message in "STANDARD" X10 format : "All units off" from any X10 controller set to its house code regardless of unit code, or alternatively, by individual unit controller by "On" and "Off".

The TM13E can be polled for its status by the CM11E (two way universal computer interface) or by any controller using the PROFESSIONAL X10 format.

When used with the CM11E interface, the TM13E acts as the "RF gateway" to get signals from any X10 wireless transmitter onto the AC wiring, to be received by the CM11E interface to initiate macros.

TYPICAL APPLICATIONS

This is the general purpose unit for the smallest to largest applications. It can be a starter kit with an X10 RF transmitter for remotely turning ON and OFF any appliance. Equally it can be the interface for multi-function macros.

Technical data

- Supply voltage: 230V \pm 10% 50 Hz
- Supply current : \leq 20 mA capacitive
- Making capacity:
 - 300W (incandescent lamps only)
 - 2 A inductive loads
 - 5 A (resistive loads)
- EMC emission: EN 50065-1
- EMC immunity: EN 50082-1
- Electrical safety:
 - EN 60950 and EN 60065
- Approvals: CE Mark
- RF receiver frequency: 433,92 MHz
- X10 powerline:
 - 120 kHz \pm 2 kHz / 2,5 Vpk-pk
- Signal sensitivity:
 - 15 mVpp min 50 mVpp max at 120 kHz
- Input impedance:
 - \geq 180 Ω (L - N) at 120 kHz
- Ambient temperature:
 - 10° C to + 50° C (operation)
 - 20° C to + 70° C (storage)
- Dimensions:
 - 52 x 122 x 33 mm
 - (width x height x depth without plug)