

MTX miniature two-channel transmitter

Elmes MTX is a miniature, two-channel radio transmitter for the 433.92MHz band, which works with any Elmes receiver. Its operating range in open space is up to 100 meters. The transmitter operates similarly to the Elmes DWB100H remote control. The difference is the use of wired leads instead of push-buttons. Transmission is triggered in one of the channels after short-circuiting the appropriate pair of wires. To ensure reliable operation with very short excitation, the transmission is extended by 1 second.

The transmitter is powered by a 9V alkaline battery, but can also be powered by 12V DC. It is offered in the form of a printed circuit board with 200mm control leads and a clip for a 9V battery. The small size of the transmitter and the installation foot enable quick and easy installation, for example under a double bell switch, in an electrical, flush-mounted installation box. In this application, the transmitter enables wireless control of e.g. roller shutters or a gate at a distance of 10-15 meters in cooperation with ST... series controllers manufactured by Elmes Electronic. The transmitter can also be used in any other remote control application.

The transmitter should be protected from moisture and electrostatic charges. Installing the transmitter in metal boxes, in the vicinity of metal screens, interfering cables, etc., can significantly reduce the range of the transmitter.

The set includes: MTX transmitter board, installation foot, user manual.

Specification:

- radio band 433.92MHz (+/- 100kHz), radiated power <5mW;
- variable KEELOQ® coding system;
- powered by a 9V battery or 9..12V DC voltage (I=20mA when transmitting);
- trigger method:
 - shorting contacts 1 and 3 (first channel) or 2 and 3 (second channel),
 - applying a voltage from the range of $V_{cc} - 3V$ to V_{cc} to input 1 or 2,
- operating temperature range: from -20°C to +45°C;
- dimensions of the transmitter board 22 x 31mm;
- manufacturer's CE declaration.