

Universal Two Channel Transmitter MTX

The advantages of Elmes Electronic MTX two channel transmitter in construction of specific remote control systems are reliable operation and small size. This universal device is Elmes Electronic remotes compatible with KEELOQ® dynamic code encryption and operates with all Elmes Electronic made receivers. Its design is that of any Elmes Electronic remote transmitters except for the fact that it does not include any switches on board. Instead, a couple of wires are provided for connecting external switching devices that trigger transmission. Maximal operating range in open field is 100m. The operating range may be reduced due to installation and environmental conditions. As standard, it is 9V battery powered and could be installed in an ordinary 60mm deep wall switch housing for wireless control of window roller or a garage door that use Elmes Electronic made ST... series controllers. The radio control transmission is triggered then by operating wall switch shorting one of the two control wires (red or/and blue) to common black wire featuring a minimum of one second transmission duration time. The MTX may also be powered from alarm system line voltage ranging from 12 to 13,8 VDC. Its use may improve wireless security systems, property protection, alarm detection and wireless signalling. Its simple operation mode is based on transmissions triggered by shorting two wire interface and allow numerous application fields in house hold installations and general remote control use. It is recommended to activate the MTX with an automatic OFF switch. Otherwise, if its trigger input is permanently short circuit, transmission will stop after 25 seconds, but the unit powering will continue to draw ca. 3mA which could completely discharge 9V battery, if battery powering is used.

The transmitter should be installed in dry and not metal shielded location, away from any sources of radio frequency interference that could reduce its operating range.

Description of three wire trigger input:

- Red Wire** – used to trigger transmission by control channel 1 setting on,
- Blue Wire** – used to trigger transmission by control channel 2 setting on,
- Black Wire – common** – used for shorting to transmission triggering wires above.

Specification

- EU compliant 433,92MHz radio band,
- power supply by 9V alkaline battery, or 12VDC – 13,8VDC line,
- battery life: up to 60,000 switch on cycles,
- operating temperature range: -20 to +40°C,
- external dimensions: (L/W) 31/22mm.



Manufacturer: ELMES Electronic, 54-611 Wrocław - Poland, ul. Avicenny 2,
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Manufacturer's Limited Warranty. Elmes Electronic products carry manufacturer's two years limited warranty as from date of purchase. The warranty is limited to the replacement of faulty original parts or repair defects of improper manufacture. Damage, faulty use or improper handling by user or installer, changes in product's hardware or software made by unauthorized person vields the warranty and repair costs will be charged. The customer covers costs of delivery to and from the manufacturer of the products to be serviced. Elmes Electronic shall not be liable for any personal or material damage resulting from any of its products direct, indirect or partial failure to operate properly.

KEELOQ® is a registered trademark of Microchip Technology Inc.



DEKLARACJA ZGODNOŚCI DECLARATION OF CONFORMITY

Elmes Elektronik deklaruje, że jego produkt:
Elmes Electronic hereby declares that its product:

UNIWERSALNY NADAJNIK DWUKANAŁOWY MTX DOUBLE CHANNEL UNIVERSAL TRANSMITTER MTX

jest zgodny z niżej wymienionymi wymaganiami zasadniczymi:
complies with essential requirements of the following directive:

**1999/5/EC Dyrektywa dla Urzędzeń Radiokomunikacyjnych (R&TTE),
2004/108/EC Dyrektywa Zgodności Elektromagnetycznej (EMC),
2006/95/EC Dyrektywa dla Urzędzeń Niskiego Napięcia (LVD),**

a w szczególności, z niżej podanymi zharmonizowanymi normami:
and applied harmonized standards, in particular:

**EN 60950-1:2006 bezpieczeństwo użytkowania (electric safety)
EN 61000-6-1:2007 EMC, wymagania ogólne (immunity)
EN 61000-6-3:2007 EMC, wymagania ogólne (emission)
EN 301 489-1 V1.8.1 (2008-04) EMC, urządzenia radiowe (radio)
EN 301 489-3 V1.4.1 (2002-08) EMC, urządzenia krótkiego zasięgu (SRD)
EN 300 220-1 V2.3.1 (2010-02), EMC, wymagania radiowe (ERM)**

Producent / Manufacturer:

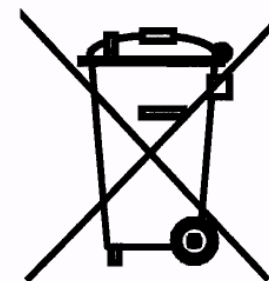
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Podpis / Signature:

Dyrektor - Mirosław Bińkowski

Data/Date: 2014-10-13



(PL) Użycie symbolu WEE oznacza, że ten produkt nie może być traktowany jako odpad domowy i wyrzucony do śmieci. Zapewniając prawidłową utylizację pomagasz chronić środowisko naturalne. Informacje dotyczące recyklingu niniejszego produktu otrzymasz w punkcie sprzedaży lub u przedstawicieli władz lokalnych.

(EN) The use of the WEEE symbol indicates that this product may not be treated as household waste. By ensuring this product is disposed of correctly you will protect the environment. For more detailed information about the recycling of this product, please contact your local authority, your household waste disposal service provider or the shop where you purchased the product.