

Radio hand-held transmitter EFS-12MP

Features

- Compact and slim-line case
- Can be custom-labelled ex-works, even for orders of just one unit
- Configurable by the user
- **Keeloq (HCS) version:**
Assignment of a unique, non-duplicable encryption code (master key)
- Individual buttons can be deactivated
- LED for transmission status indication
- No registration or licence fees required for use in the EU and Switzerland

Description

The transmitters EFS-12MP feature a compact and slim design (roughly the size of a credit card). The labelling can be customised even for orders of just a single unit. The radio hand-held transmitters are available for the 433.92 MHz frequency band and can be used with either switch-type or interface receivers. The code is usually set at the factory and is matched to the corresponding radio receiver. With a suitable programming adapter, the user can configure or change the settings. Individual buttons can be deactivated. The necessary software is available free of charge.

Function

The hand-held transmitter EFS-12MP is compatible with most of our radio receivers (433 MHz). It can be programmed either for a fixed-code application (linear code) or for a rolling-code application (Keeloq code). The functions are set on the radio receiver. When a button is pressed, the transmitter simply sends a code, which the radio receiver uses to carry out the relevant function. Together with a suitable radio receiver, the customer receives a flexible system that can be adapted at any time to their needs and the specific application.

Technical Data

Frequency	433.92 MHz
Transmission power	Max. 1 mW
Range (in the open field)	Ca. 100 m
Number of channels	Max. 12 active buttons
Operating element	Membrane keyboard
Labelling	Customised
Code	Max. 20-bit fixed code (linear) 32-bit rolling code (Keeloq)
Code setting	Factory configured and user-configurable (programming adapter required)
Modulation	ASK (AM)
Transmission control	Optical (LED)
Current consumption	Typ. 10 mA
Power supply	3V (CR2032 Lithium)
Protection class	IP40
Dimensions	85 x 54 x 10 mm
Weight (incl. battery)	37 g
Operating temperature range	-10...50 °C

EFS-12MP-433



EFS-12MP-433-W



Scope of Supply

1 x Hand-held transmitter EFS-12MP
incl. 3V lithium battery (CR2032)

Accessories: Wall mount EFS-HPC-A2



Safety Instructions



- These radio hand-held transmitters are not permitted for use in safety-relevant systems and are not SIL- or PL-certified!
- If certain safety requirements are made, these must be implemented by higher-level measures with approved equipment.
- Do not control any application where there is danger to life and limb or where material damage may occur if you do not have visual contact with the application!

Installation Instructions



- Installation/commissioning may only be carried out by specialist companies or appropriately qualified personnel!

Operating Instructions



- The units may only be used as described in the manual.
- Only undamaged units may be used under the specified environmental conditions.

Order Code

Protocol (not part of the article title)

- FCP** Fixed-code protocol (when using radio receivers with switch contacts/relays)
[Please provide the code when placing your order \(e.g. 100001...6\)](#)
- HCS** Keeloq protocol (when using radio receivers with an interface)
[Please provide the address and ID when placing your order \(e.g. Address 14, ID 59\)](#)

Case colour (Standard = dark grey, similar to RAL 7016)

- W** White (similar to RAL 9002): **Special version, not available from stock!**

E F S - 1 2 M P - 4 3 3 - F C P - W