

## Radio remote control receiver

**EFB-EK4W-PS130, EFB-EK4W-UM72**

**EFB-EK8-PS130, EFB-EK8-UM72**

**EFB-EK4-PS94, EFB-EK4-UM72**

### General description

With our radio remote control receivers EFB-Exx, the user gets immediately usable, compact and complete devices, which are very versatile and can be reconfigured at any time.

The radio remote control receivers EFB-EK4W and EFB-EK4 as well as EFB-EK8 can be used in combination with all our radio transmitters. The desired functionality is set quickly and conveniently via a programming adapter using a Windows PC program. The software is available for free after registration in our customer portal on [www.elseco.eu](http://www.elseco.eu).

Power is supplied by 12V DC, 24V DC or 230V AC. The receivers are available with an internal antenna or optionally with a BNC- or TNC-socket for connecting an external antenna. Different antennas can be supplied.

Suitable handheld transmitters and stationary transmitters are available!

### Function

Decrypts 4 or 8 different transmission codes from our compatible transmitters. Each code can be assigned one of the following functions:

- **Switch on** (combinations up to 4 outputs simultaneously with one code)
- **Switch off** (combinations up to 4 outputs simultaneously with one code)
- **Toggle** (changes the state of the outputs)
- **1: 1** (the assigned output is switched as long as the associated key is pressed = deadman control).
- **Pulse** (the duration of the pulse given by the outputs is adjustable from 10 milliseconds up to 18.2 hours). For each basic or expansion unit, 4 independent pulse timers can be defined.

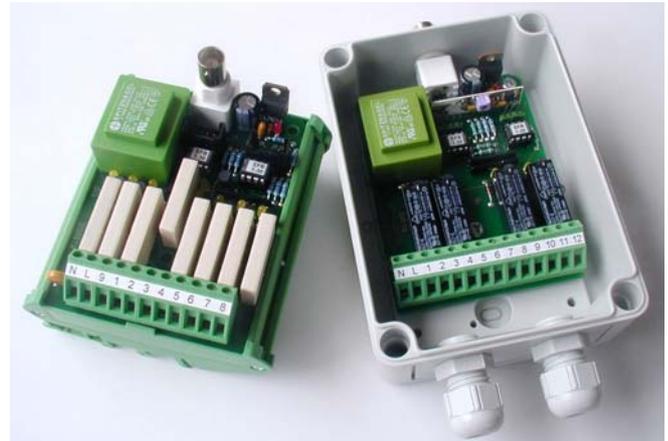
Furthermore, a **zero voltage safety** can be programmed, i. e. In the event of a power failure, the last states are permanently stored in the device and are immediately taken over again when the supply voltage is restored (for example, **stop at gate control**).

### Programming

The devices can be configured via Windows PC software using the optionally available programming adapter EFS-PA-USB-V1 (USB interface). Requires Microsoft Windows XP or later.

### Technical data

Frequency bands	433 MHz or 868 MHz (different RF modules are available depending on the application)
Enclosure	Enclosure for surface mounting with cable glands PS94: 94x94x57mm, PS130: 94x130x57mm (W x H x D) Enclosure for DIN rail mounting (36mm rail) UM72 (EFB-EK4 ca. 74mm wide, EFB-EK8 ca. 97mm wide)
Protection (PS...)	IP65 (with internal antenna or TNC-socket) IP54 (with BNC-socket)
Programming port	4 pin header
Outputs	1-4 changeover contacts 250V/8A AC (EFB-EKxW) 1-4/1-8 normally open (NO) contacts 250V/6A AC (EFB-EKx)
Auxiliary voltage	12V DC $\pm 10\%$ , 15-100mA EFB-EK4W, 15-125mA EFB-EK8 24V DC $\pm 10\%$ , 15-60mA EFB-EK4W, 15-80mA EFB-EK8 230V AC, 50/60Hz, max. 1,5VA
Environment	Operating temperatur -25...+70°C
Options	BNC- or TNC-socket for antenna, different terminals or pluggable terminals, etc.



Radio remote control receiver EFB-EK8-UM72 and EFB-EK4W-PS130, both devices with BNC antenna socket



EFB-EK4W-UM72



EFB-EK8-PS130



EFB-EKx-PS94

Designs according to customer requirements, please ask!

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Technical changes, errors and misprints reserved

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