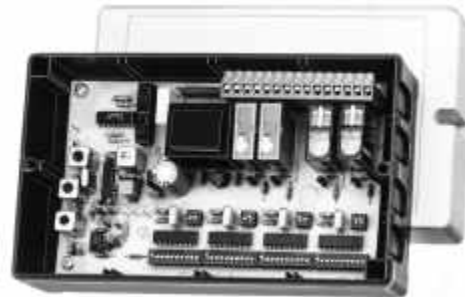


Receivers

# Receivers EF 10, EF 20, EF 30, EF40

- Excellent workmanship
- 1 to 4-channel versions
- Volt-free relay output per channel (change-over contact)
- Momentary or maintained contact versions
- Coding switch with gold-plated and self-cleaning contacts
- Large receiver range
- Simple operation
- For 12 volt DC & 230 V mains supply
- Quick code setting
- Convenient connection by means of screw terminals or by removable screw terminal strip
- Complete in housing with antenna



EF 40/DS

EF 10/D



## Radio receiver "EF"

The "EF" family receivers have been among our most popular products for many years and found application under widely different conditions.

The receivers are designed to operate on 12 volt DC and on 230 volt AC. The relay contacts are volt-free and include a change-over contact that can be loaded up to 6(8) A (230 V AC).

This "EF" family is available in 1, 2, 3 and 4 channel versions.

The receivers are available as a "D" version with a switching contact, i.e. the relay pulls up on the first transmitter pulse and drops off on the second pulse (in the case of the 3 & 4 channel receivers, this function is available only for a maximum of 2 channels). This "D" function can be disabled on the EF 20/D, EF 30/D & EF 40/DS receivers.

The "S" version (available for EF30/S & EF 40/DS) permits a relay to be activated and deactivated by means of 2 separate channels (function can be disabled).

## Technical data:

Power supply:	12 volt (DC) and 230 volt (AC)	
on standby:	abt. 19 mA/25 mA(EF10/EF30) at 12V DC	abt. 1,6 W/1.2 W (EF10/EF30) at 230V
on activation:	abt. 36mA/43mA (EF10/EF30) at 12V DC	abt. 1.9W/1.9W (EF10/EF30) at 230V
Transmitter range:	on receiver type	
Housing:		
EF 10	ABS (plastic) light grey	
EF 20 / 30 / 40	ABS (plastic) light/dark grey	
Frequency:	40 MHz (a range not as heavily crowded as in 433 MHz band)	
Antenna:	1.25 M (trailing antenna)	
Ambient temperature:		
Operation:	- 20 to + 55° C	
Storage:	- 30 to + 60° C	
Weight:	abt. 320 g / 470 g (EF10 / EF 20)	
Dimensions:		
EF 10	abt. L 150 x W 70 x H 40 mm	
EF 20 / 30 / 40	abt. L 180 x W 120 x H 60 mm	
Certification:	CE	
<b>Order Number:</b>	<b>EF 10</b>	<b>(single-channel receiver)</b>
<b>Order Number:</b>	<b>EF 20</b>	<b>(two-channel receiver)</b>
<b>Order Number:</b>	<b>EF 30/S</b>	<b>(three-channel receiver)</b>
<b>Order Number:</b>	<b>EF 40</b>	<b>(four-channel receiver)</b>
Receivers with maintained contact (switching contact)		
<b>Order Number:</b>	<b>EF 10/D</b>	<b>(single-channel receiver)</b>
<b>Order Number:</b>	<b>EF 20/D</b>	<b>(two-channel receiver)</b>
<b>Order Number:</b>	<b>EF 30/D</b>	<b>(three-channel receiver)</b>
<b>Order Number:</b>	<b>EF 40/DS</b>	<b>(four-channel receiver)</b>