

EK893

Radio ripple control receiver for renewable energy plants

Performance features

- ▲ Suitable for renewable energy sources (wind power and photovoltaics)
- ▲ Attachment by meter panel or piggyback installation using snap-on technology
- ▲ Sturdy 3-point attachment - If one catch breaks away, two additional ones ensure a secure hold
- ▲ RRCR can be equipped with up to 6 mechanical relays (25 A or 40 A)
- ▲ Optionally selectable cable cover - short or long cover



Advantages of the Langmatz radio ripple control receiver

- ▲ EK893 - radio ripple control receiver for renewable energy plants

▲ Mature technology

- Langmatz has delivered more than 1,000,000 radio ripple control receivers in the last 20 years

▲ Lighting control

- The power costs of street lighting can be optimised with exact switching times, adapted to local circumstances

▲ Tariff switching for special contract customers

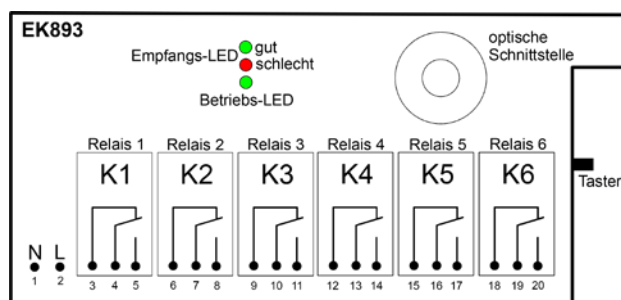
- You can also reach your customers in other network areas with the radio ripple control

▲ Load management

- You can control your dispositive load management simply with the control program in the receiver and have the option of changing it by radio command actively and precisely to the second

▲ Special switching

- The radio ripple control can be individually programmed and implemented with ease



- ▲ EK893 - radio ripple control receiver, circuit diagram

Technical data - EK893 radio ripple control receiver for renewable energy plants

Designation	EK893 - Radio ripple control receiver for renewable energy plants (RRCR)
Version	With permanently installed antenna and radio receiver
Housing colour	RAL 7035 (similar to grey)
Protection class	II (double-insulated)
Protection rating	IP 51
Mounting	According to DIN 43861 Part 2 for meter panel or piggyback installation using snap-on technology
Operating temperature	-20 to +60° Celsius
Radio transmission format	DIN 19244 FT 1.2
Decoding format	LIC-Versacom compatible with DIN 43861-2-3 or Semagyr Top compatible with DIN 43861-3-2
Parametrisation set	Versacom
Parametrisation interface	Optical
Interference resistance	EN 61037, EN 61000-4-2, -4-3, -4-4, -4-5, -4-8, -4-11, EN 50204
Interference emission	EN 55022, EN 55014-1
Reception display	LEDs, red and green (next to type plate)
Reception frequency	129.1 kHz, 139 kHz or 135.6 kHz
Status display	By operating LED
Operating voltage	230 V AC
Power consumption	Max. 2.5 VA
Wire diameter	Max. 2x 2.5 mm ²
Configuration	Up to 6 plug-in relays
Switching voltage	250 V/50 Hz
Switching current	25 A per plug-in relay, optional 40 A
Wire diameter	2 x 2.5 mm ² per relay output

Technical data - housing

Material	Polycarbonate
Colour	RAL 7035 (similar to grey)
Protection rating	IP 51
Protection class	II (double-insulated)
Dimensions	Height: 106 mm Width: 176 mm Depth: 81 mm
Cover	Sealable

