

## Wireless relay FLACARP FR1

version 05/24

Small wireless relay module. It allows to control external appliances by FLACARP products, e.g. switch on the light in the caravan, cabin ... via FLACARP receiver, bite alarms, motion alarms...

So you can easily control the lights in the caravan, or you can pair the module with the bite alarms and the light in the caravan will be switched on after the bite. It can be paired with all FLACARP wireless products.

The module extends the possibilities of remote control of external appliances by FLACARP products up to a distance of several hundred meters.

All saving and deleting of devices (pairing) is done simply and intuitively via a button on the module (short press=save, long press=delete). Up to 10 different FLACARP devices can be saved in memory. Thanks to the low current consumption, the module can also be connected to a battery (12V car battery).

### Technical parameters:

- Power supply voltage: 8 - 14V DC.
- Output: relay switching contact, load up to 10A / 250VAC
- Resting current (relay does not hold): up to 10 mA
- Max. current (relay closed): up to 50mA
- Module dimensions: 69 x 27mm, max. height 20mm
- Antenna: connected via SMA connector
- Frequency: 868 MHz
- Range: hundreds of meters, max.1km (with short antenna), with external antenna even several kilometers
- Memory size: up to 10 FLACARP devices can be saved (paired)
- Mounting: via 2 x 3.2mm holes, via spacers (included)

### Control/description of button function:

#### Direct relay control:

A short press of the button alternately controls the relay.  
Relay on = green LED on. Relay off LED does not light.

#### Pairing:

Holding the button for 4 sec. switch the module into pairing mode (blue LED flashes). Now transmit by the device you want to save in the memory (bite alarm, receiver, motion alarm ...). The saving is confirmed by flashing the green LED and the pairing mode is finished (LED is off). You can now control the relay. Up to 10 FLACARP wireless devices can be saved in the memory.

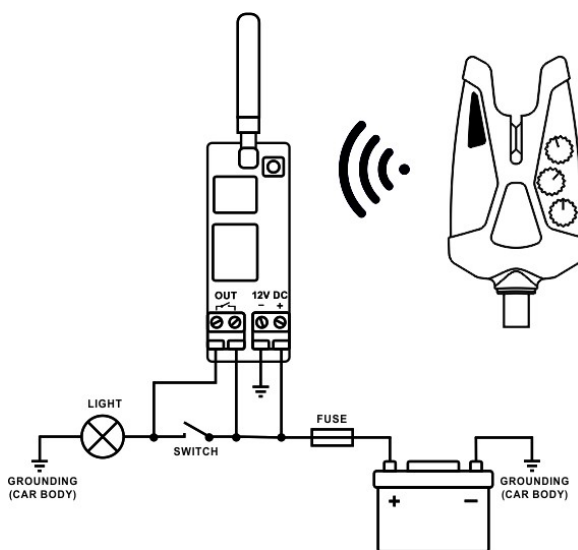
#### Delete device memory:

Hold the button for 14 sec. until the red light starts flashing.  
The memory is deleted.

#### False alarms:

The module is equipped with a function that reduces false alarms.

The module's output is switched by the bite alarm after two "bites" within 5 seconds. On other side, the alarm from the motion sensor goes on immediately, as does the control by a receiver. To prevent the module from remaining permanently switched on during a false bites, and discharging the battery powering the lights, the relay is switched on for 60 sec. after the bite. The relay remains permanently switched on when switched on by a button or by receiver.



The module is not a separate functional unit and requires professional installation. It is strongly recommended that the wiring is carried out by a suitably qualified technician.

Warranty 2 years, does not cover mechanical damage of the module and damage caused by use contrary to these instructions.

