

VRS FMT Repeater

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01820008

VRS Repeater to boost the VRS signal in FMT Housing.

Installation and Operating Instructions

Short description

- Radio-Repeater to boost the transmission range of VRS transmitter
- Flush-mounting version with power supply of 12–24VDC or 230VAC

Functional description

The Junction Box Repeater receives radio-grams of VRS transmitters and re-transmits these radiograms with a transmission delay of 300 ms. So the range of VRS radio transmitters can be extended.

After transmit a radiogram, the repeater does not react to further radiograms for one second.

The Junction Box Repeater can alternatively be operated with 12–24VDC or 230VAC.

Scope of delivery

- VRS FMT Repeater, Operating instructions

Start-up



ATTENTION!

Observe the applicable electrical regulations!

1. Mount the radio repeater in a junction box and use the junction box cover to close the junction box.
2. Connect the power supply (12–24VDC or 230VAC) as follows:
12–24VDC: + and -
230VAC: L and N

After start-up, the radio repeater is in the operating mode. As long as no VRS transmitter code is memorized into the radio repeater, every received VRS radio telegram will be retransmit. During receiving a radio telegram, the LED flashes for a short time. During re-transmitting, the LED flashes a little bit longer.



Mounting advice:

Avoid mounting at the following locations, as this will affect the range:

- in a distribution box or housing made from metal
- in the immediate vicinity of large metal objects
- on the ground (or near it).

Safety precautions



Carefully read through these instructions before connecting and operating the radio repeater!

Attention! Electrical installation at an operating voltage of 230VAC may only be carried out by a qualified electrician!

Observe the applicable laws, standards and regulations as well as the operating instructions of the radio transmitters which codes are to be memorized!

Have faulty radio repeaters checked by the manufacturer!

Do not make any unauthorized alterations or modifications to the radio repeater!

Warning! Take care not to damage the antenna insulation! The antenna could be live!

Intended use

The unit may only be used as a radio repeater for VRS radio telegrams. The manufacturer shall not be liable for any damage caused by improper or non-intended use.

Memorizing transmitter codes

So that the radio repeater only retransmits definite radio telegrams, you have to memorize the codes of the corresponding VRS transmitters into the radio repeater.



Note:

Generally you only have to transfer the code of one button per transmitter channel. The code of the other transmitter buttons will be assigned automatically.


1. Briefly press the programming button (< 1.6 seconds). The programming mode is activated. The LED flashes.
2. Press and hold a transmitter button. If the code has been memorized, the LED lights up for 4 seconds and then flashes again. Release the transmitter button.
3. Repeat step 2 with the other transmitters. You can memorize up to 16 transmitter codes into the radio repeater.
4. Briefly press the programming button (< 1.6 seconds) in order to return to the operating mode.



Notes:

- After memorizing the first transmitter code, the radio repeater only retransmits the telegrams of memorized transmitters.
- In case of longer power failure programming remains.

Technical data

Power supply:	230VAC/50 Hz or 12–24VDC
Rated power:	1.0 W
Radio-frequency:	868 MHz
Transmission delay:	300 ms
IP class:	IP 40
Protection class:	II
Operating temperature:	-10°C (14°F) to +40°C (104°F)
Dimensions (L x W x H):	70 x 49 x 26 mm
Conformity:	

Deleting specific transmitter codes

1. Keep the programming button pressed for more than 1.6 seconds. The delete mode is activated. The LED flashes rapidly.
2. Press the selected transmitter channel button. If the code has been deleted, the LED lights up for 4 seconds and then flashes again rapidly.
3. Repeat step 2 with another transmitter or briefly (< 1.6 seconds) press the programming button in order to return to the operating mode.

Reset (Deleting memory completely)

1. Keep the programming button pressed for more than 1.6 seconds. The delete mode is activated. The LED flashes rapidly.
2. Press the programming button again and keep it pressed for more than 1.6 sec. As soon as the memory has been deleted completely, the LED lights up for 4 seconds and then flashes again rapidly.
3. Briefly (< 1.6 seconds) press the programming button to return to the operating mode.


Note:

If all codes have been deleted, the radio repeater will retransmit **every** VRS radio telegram again.

General information
Disposal of waste

The disposal of electrical equipment and batteries in household waste is strictly forbidden.



The symbol (dustbin crossed out, in line with WEEE Appendix IV) indicates separate collection of electrical and electronic products in EU countries. Do not dispose of the device or battery in your household waste. Ask your town or local council about the return and collection systems available in your area to dispose of this product.



Put the packaging material into the recycling bins for cardboard, paper and plastics.

Conformity


This product conforms to the basic requirements of the R&TTE Directive 1999/5/EC.

For use in: EU/CH/FL/IS/N

The Declaration of Conformity can be acquired from the supplier referred to in the delivery documents.