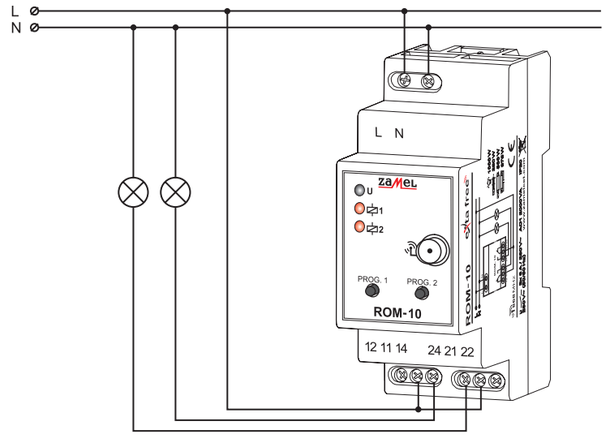
CONNECTION



MOUNTING

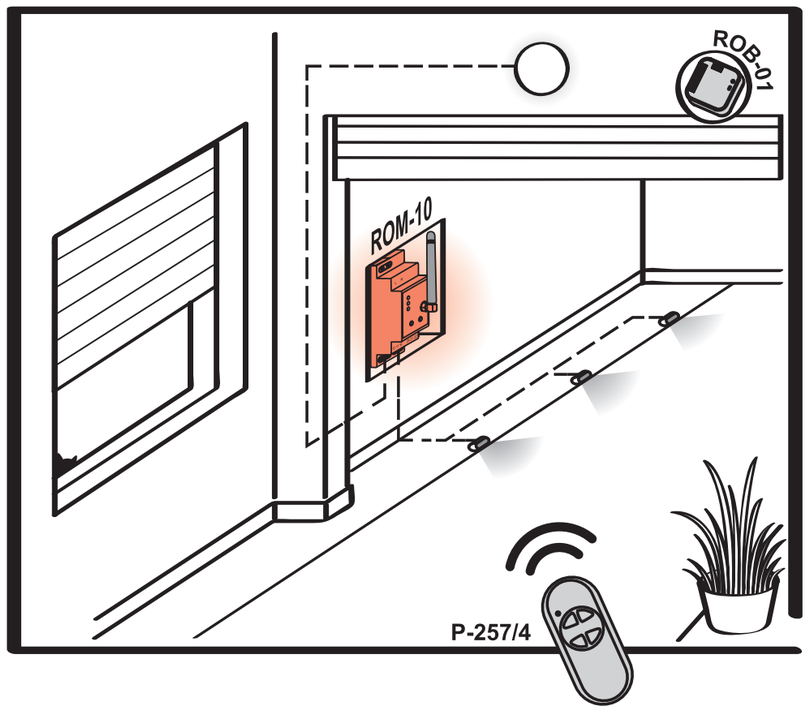
1. Disconnect power supply by the phase fuse, the circuit-breaker or the switch-disconnector combined to the proper circuit.
2. **Check if there is no voltage on connection cables by means of a special measure equipment.**
3. Connect the cables with the terminals in accordance with the installing diagram.
4. mount ROM-10 device on a TH-35 rail.
5. Switch on the power supply from the mains.

CAPACITY

1000W 500W

250W 375W

APPLICATION



Radio modular receiver ROM-10 operates as a receiver of P-257/4 4-channel remote control (control of lighting operation in front of and inside the garage). Additionally P-257/4 remote control can control operation of ROB-01/12-24V radio gate controller.

SERIA F

The ZAMEL company devices which are characterised with this sign can cooperate with each other.

WARRANTY CARD

There is 24 months guarantee on the product

1. ZAMEL provides a two-year warranty for its products.
2. The ZAMEL warranty does not cover: a) mechanical defects resulting from transport, loading / unloading or other circumstances b) defects resulting from incorrect installation or operation of ZAMEL products; c) defects resulting from any changes made by CUSTOMERS or third parties, to products sold or equipment necessary for the correct operation of products sold; d) defects resulting from force majeure or other aleatory events for which ZAMEL is not liable; e) power supply (batteries) to be equipped with a device in the moment of sale (if they appear);
3. All complaints in relation to the warranty must be provided by the CUSTOMER in writing to the retailer after discovering a defect.;
4. ZAMEL will review complaints in accordance with existing regulations.;
5. The way a complaint is settled, e.g. replacement of the product, repair or refund, is left to the discretion of ZAMEL.
6. Guarantee does not exclude, does not limit, nor does it suspend the rights of the PURCHASER resulting from the discrepancy between the goods and the contract.

Salesman stamp and signature, date of sale

2-CHANNEL RADIO MODULAR RECEIVER ROM-10

MANUAL INSTRUCTION

ZAMEL Sp. z o.o.

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tel. +48 (32) 210 46 65, fax +48 (32) 210 80 04
www.zamelcet.com, e-mail: marketing@zamel.pl

DESCRIPTION

2-channel radio modular receiver ROM-10 can be mounted in distribution boards on the TH-35 rail and can realise radio control functions using any of EXTA FREE system transmitters. Any electric system realising radio system functions can be connected to the device relay output (e.g. wired devices of EXTA home automation, relay-contactor systems and others).

FEATURES

- cooperation with wireless EXTA FREE system transmitters,
- 2-channel radio receiver mounted on a TH-35 rail in a distribution board,
- five operation modes: switching on mode, switching off, monostable, bistable, time,
- two output relays 8A (changeover contacts),
- wide range of operation (up to 300 m),
- power supply and relay operation are optically signalled,
- integration possibility with wired control systems (e.g. exta home automation),
- connection possibility of ANT-01 antenna mounted not in the distribution board,
- possibility of widening operation range by means of RTN-01 retransmitter.

TECHNICAL DATA

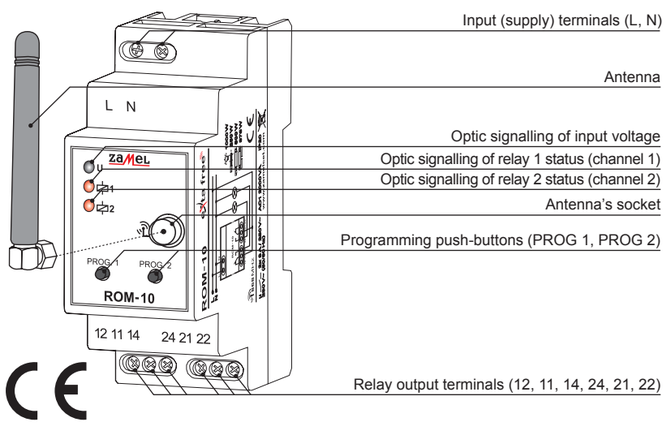
ROM-10	
Input (supply) terminals:	L, N
Input rated voltage:	230V AC
Input voltage tolerance:	-15 ÷ +10 %
Nominal frequency:	50 / 60 Hz
Nominal power consumption:	0,55 W
Optic signalling of power supply:	LED green diode
Number of operation modes:	5
Number of channels:	2
Transmission:	radio 868,32 MHz
Coding way:	unidirectional
Coding:	addressing transmission
Maximum number of remote controls:	32
Range:	up to 300 m in the open area
Time adjustment:	1 sec. ÷ 18 hours (every second)
Optic signalling of relay status:	2 x LED red diode
2 x LED red diode	12, 11, 14, 24, 21, 22
Relay contact parameters:	2NO/NC 8A / 250V~ AC1 2000 VA
Ambient temperature range:	-10 ÷ +55 °C
Section of connecting cables:	do 2,5 mm^2
Operating position:	free
Casing mounting:	TH-35 rail (according to EN 60715)
Casing protection degree:	IP20 (EN 60529)
Protection level:	II
Overvoltage category:	II
Pollution degree:	2
Surge voltage:	1 kV (EN 61000-4-5)
Dimensions:	monomodular casing (17,5 mm) 90 x 17,5 x 66 mm
Weight:	0,087 kg
Reference standard:	EN 60669, EN 60950, EN 61000

CAUTION!

The device is designed for single-phase installation and must be installed in accordance with standards valid in a particular country. The device should be connected according to the details included in this operating manual. Installation, connection and control should be carried out by a qualified electrician staff, who act in accordance with the service manual and the device functions.
In case of casing dismantling an electric shock may occur, and the guarantee is lost then. Before installation make sure the connection cables are not under voltage. The cruciform head screwdriver 3,5 mm should be used to instal the device. Improper transport, storage, and use of the device influence its wrong functioning. It is not advisable to instal the device in the following cases: if any device part is missing or the device is damaged or deformed. In case of improper functioning of the device contact the producer.

The symbol means selective collecting of electrical and electronic equipment.
It is forbidden to put the used equipment together with other waste.

APPEARANCE

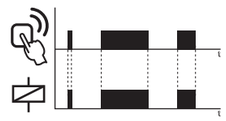


VER. 003_20.05.2011

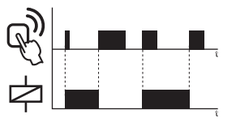
OPERATION

The device can operate in five modes for both channels:

MONOSTABLE the relay operates only while pressing transmitter's push-button.

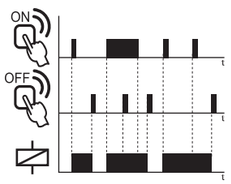


BISTABLE (one push-button) the device changes relay status cyclically always after pressing the same push-button.



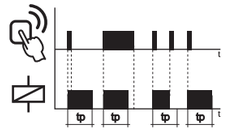
SWITCH ON the device switches on after pressing the push-button.

SWITCH OFF the device switches off after pressing the push-button.



TIME the device switches off according to the adjusted time (tp), but it may be switched off before adjusted time finishes. Default settings - 15 seconds.

CAUTION! Adjusted time cannot be deleted.

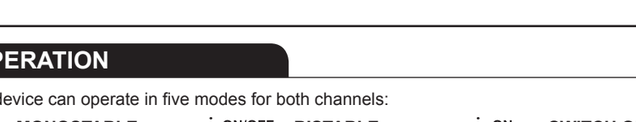


RADIO TRANSMITTERS' PROGRAMMING - CHANNEL 1

MONOSTABLE mode:

1. Press transmitter's push-button for a longer time.
2. Press PROG 1 push-button of ROM-10 device for a longer time until LED red diode switches on (constant signal). Next release PROG 1 push-button.
3. Release transmitter's push-button. LED red diode switches on (first signal pulsates, next the signal is constant).
4. Press the same transmitter's push-button and release it. LED red diode switches on (the signal pulsates) and next it switches off - THE TRANSMITTER IS ADDED.

BISTABLE mode:



1. Press PROG 1 push-button of ROM-10 device for a longer time until LED red diode switches on (constant signal). Next release PROG 1 push-button.
2. Press the transmitter's push-button for a longer time. LED red diode switches on (first signal pulsates, next the signal is constant).
3. Release transmitter's push-button. LED red diode switches on (the signal pulsates), next the LED red diode switches off - it means the TRANSMITTER IS ADDED.

SWITCH ON/SWITCH OFF mode (two push-buttons):

1. Press PROG 1 push-button of ROM-10 device for a longer time until LED red diode switches on (constant signal). Next release PROG 1 push-button.
2. Press and release transmitter's first push-button. LED red diode switches on (first signal pulsates, next the signal is constant).
3. Press and release the second transmitter's push-button. LED red diode switches on (the signal pulsates) and next it switches off - THE TRANSMITTER IS ADDED.

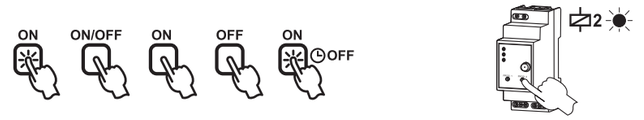
TIME mode (one push-button):

1. Press PROG 1 push-button of ROM-10 device for a longer time till LED red diode switches on (constant signal). Next release PROG 1 push-button.
2. Press PROG push-button of ROM-10 device and then release it. LED red diode switches on (first signal pulsates, next the signal is constant).
3. Press and release the same transmitter's push-button. LED red diode switches on (signal pulsates) and then switches off - THE TRANSMITTER IS ADDED.

An exemplary programming procedure with the use of P-257/2 remote controller. The procedure for the rest of radio EXTA FREE transmitters is analogous.

CAUTION: Every transmitter can cooperate with ROM-10 in a different mode, depending on how they were added to the device. One transmitter can be added during one programming cycle. Full memory is signalled with pulsating LED red diode.

RADIO TRANSMITTERS' PROGRAMMING - CHANNEL 2



Choose one of ROM-10 operation modes and programme the device in an analogous way as for channel 1, but press PROG 2 push-button and watch LED diode for channel 2.

TIME PROGRAMMING - CHANNEL 1

1. Press PROG 1 push-button of ROM-10 device for a longer time till LED red diode switches on (constant signal). Next release PROG 1 push-button. Wait (for about 5 seconds) till LED red diode switches on (first signal pulsates, next the signal is constant).
2. Press PROG 1 push-button of ROM-10 device and then release it. LED red diode switches off and then switches on (signal pulsates). Every LED diode pulse equals 1 second.
3. After the adjusted time is finished (the number of LED red diode flashes) press PROG 1 push-button and then release it - TIME IS ADDED.

Time programming for channel 2 - programme the device in an analogous way as for channel 1, but press PROG 2 push-button and watch LED diode for channel 2.
Maximum time is 18 hours.

RADIO TRANSMITTERS DELETION

1. Press PROG 1 push-button of ROM-10 device for a longer time.
2. After 5 seconds LED red diode switches on (signal pulsates) and then it switches off.
3. Release the push-button in ROM-10 - MEMORY IS DELETED.

CAUTION: This procedure causes transmitters' deletion from the memory of channel 1 and channel 2.

COOPERATION AND OPERATING RANGE

Symbol:	ROP-01	ROP-02	ROB-01	SRP-02	SRP-03	RWG-01	RWL-01	ROM-01	ROM-10	RDP-01	RTN-01
RNK-02	180 m	200 m	200 m	200 m	200 m	250 m	180 m	250 m	250 m	180 m	250 m
RNK-04	180 m	200 m	200 m	200 m	200 m	250 m	180 m	250 m	250 m	180 m	250 m
P-256/8	230 m	250 m	250 m	250 m	250 m	300 m	200 m	300 m	300 m	230 m	300 m
P-257/4 (2)	180 m	200 m	200 m	200 m	200 m	250 m	180 m	250 m	250 m	180 m	250 m
RNM-10	230 m	250 m	250 m	250 m	250 m	300 m	200 m	300 m	300 m	230 m	300 m
RNP-01	160 m	180 m	180 m	180 m	180 m	200 m	160 m	200 m	200 m	160 m	200 m
RNP-02	160 m	180 m	180 m	180 m	180 m	200 m	160 m	200 m	200 m	160 m	200 m
RNL-01	160 m	180 m	180 m	lack*	lack*	200 m	160 m	200 m	200 m	160 m	200 m
RTN-01	200 m	200 m	200 m	200 m	200 m	250 m	200 m	250 m	250 m	200 m	250 m
RCR-01	160 m	180 m	180 m	lack*	lack*	200 m	160 m	200 m	200 m	160 m	200 m
RTI-01	160 m	180 m	180 m	180 m	180 m	200 m	160 m	200 m	200 m	160 m	200 m
RXM-01	230 m	250 m	250 m	250 m	250 m	300 m	200 m	300 m	300 m	230 m	300 m

* - 1-channel transmitters do not cooperate with roller blind controllers.

CAUTION: The given range concerns open area - an ideal condition without any natural or artificial obstacles. If there are some obstacles between a transmitter and a receiver, it is advisable to decrease the range according to: wood and plaster: from 5 to 20 %, bricks: from 10 to 40 %, reinforced concrete: from 40 to 80 %, metal: from 90 to 100% , glass: from 10 to 20 %, Over- and underground medium and high electrical power lines, radio and television transmitters, GSM transmitters set close to a device system have also a negative influence on the range.

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