OPERATION 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	no*	no*	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	no*	no*	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.

TRANSLATOR IR/EXTA FREE
RTI-01

TECHNICAL DATA

Input (supply) terminals:	connecting cable with flat plug
Connecting cable length:	1,5 m
Input rated voltage:	230 V AC
Input voltage tolerance:	+10 ÷ -15 %
Nominal frequency:	50 / 60 Hz
Nominal power consumption:	0,4 W
Transmission:	radio 868,32 MHz
Coding way:	unidirectional
Coding:	addressing transmission
Maximum number of IR remote control push-buttons:	31
Range:	up to 200 m in the open area
Optic signalling of transmission:	LED red diode
Ambient temperature range:	-10 ÷ +55 ºC
Operating position:	free
Casing protection degree:	IP20 (PN-EN 60529)
Protection level:	II
Overvoltage category:	II
Pollution degree:	2
Surge voltage:	1 kV (PN-EN 61000-4-5)
Dimensions:	Ø75 x 40 mm
Weight:	0,018 kg
Reference standard:	PN-ETSI EN 300 220-1, PN-ETSI EN 300 220-2, PN-EN 60950, PN-EN 61000

OPERATION

After pressing the previously programmed push-button of the IR remote control, the transmitter sends a signal with the frequency of 868,32 MHz which controls EXTA FREE receiver. Push-button press code and push-button release code are sent, however the specific character of different IR coding systems may cause system operation delay (maximum 0,5 second). LED red diode indicates transmission is in progress.

PROGRAMMING

❶ Press a push-button in RTI-01 device for about 2 seconds, then release it. LED red diode switches on (constant signal).
❷ Press chosen IR remote control push-button.
❸ RTI-01 reacts by means of LED diode:
    a. quick pulsating signal: remote control push-button was properly programmed,
    b. signal switches off for 1 second: remote control push-button was programmed before, RTI-01 returns to the status of waiting for pressing another remote control push-button,
    c. three slow flashes: maximum number of remote controls' push-buttons was remembered, currently pressed push-button was not programmed.

DELETION OF REMOTE CONTROL PUSH-BUTTONS

CHOSEN PUSH-BUTTON DELETION
❶ Press a push-button in RTI-01 device for about 5 seconds, then release it. LED red diode switches on and then it switches off for 1 second.
❷ Press the IR remote control push-button which will be deleted.
❸ RTI-01 reacts by means of LED diode:
    a. quick pulsating signal: remote control push-button was properly deleted,
    b. signal switches off for 1 second: remote control push-button was not found in memory, RTI-01 returns to the status of waiting for pressing another push-button to be deleted.

DELETION OF ALL PUSH-BUTTONS (WHOLE MEMORY DELETION)
Press a push-button in RTI-01 device for about 10 seconds, then release it. LED red diode switches on and then it switches off for 1 second and switches on again - it pulsates few times and switches off. All push-buttons were deleted from memory.

DESCRIPTION

RTI-01 device connected directly to 230 V AC socket is used to control radio devices by means of a standard IR remote control. After a suitable push-button programming procedure is finished the device changes the signal from IR remote control to radio signal - in this way it allows to control any receiver of EXTA FREE system.

FEATURES

● Possibility to control EXTA FREE receivers by means of IR remote control,
● cooperation with many coding systems of IR remote controls,
● possibility to programme 31 push-buttons of IR remote controls,
● energy-saving device used to constant operation,
● low power consumption,
● possibility of simultaneous switching on/switching off any number of EXTA FREE system receivers,
● possibility of increasing operation range by means of RTN-01 retransmitter.

APPEARANCE

Connecting cable

Push-button

Optic signalling of transmitter's operation

IR detection range