



# Easy



## ...RADIO REMOTE CONTROL TRANSMITTERS

### USER AND MAINTENANCE MANUAL

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### WARNINGS

This manual is an essential part of the device and it should be thoroughly kept for later consultation. Carefully read the warnings contained in this manual, concerning safety and a proper preservation of the product. These warnings are ALWAYS to be carefully read before using the device. SIST&MATICA S.r.l. declines all responsibility for any trouble arising from the non-compliance with these warnings.

- AVOID ATTEMPTING TO REPAIR THE DEVICE BY YOURSELF. REPAIRS PERFORMED BY UNSKILLED PEOPLE CAN CAUSE SERIOUS DAMAGES OR FAILURES. FOR ASSISTANCE, APPLY TO YOUR LOCAL AUTHORIZED SERVICE CENTRE. USE ONLY ORIGINAL SPARE PARTS.
- ALWAYS KEEP AT A SAFE DISTANCE FROM THE MOVING PARTS.
- KEEP THE RADIO CONTROL OUT OF THE CHILDREN'S REACH.

## TECHNICAL FEATURES

- Working frequency 433.92 MHz;
- Battery supply (no. 2 "AAA" 1,5V Cell, Alkaline Batteries)
- Transmission average absorption < 5 mA
- Quiescent absorption < 0.2 uA
- Average batteries life: 8 mths
- Light signals to indicate controls transmission and low battery
- IP 67 protected, oil, diluted alkali and acids proof keypad
- Up to 4 control functions
- Response time after a button push: <35 ms
- Emergency stop function response time (stop button): <35 ms
- Working temperature: -20°C to + 70°C
- Transmitter weight (batteries included): 55 gr.
- Working distance in open spaces: 80 m.- 260 ft (with fresh batteries)
- Size (in mm): 96 x 47 x 24

## INSTRUCTIONS FOR USE

1. Switch the receiver on (emergency stop button released)
2. Wait for a few seconds (self-testing)
3. Press **START** to allow the system to receive the transmission (the system stays active for n. 2 minutes after the last control has been given, after which it resets. Then press **START** again to restart the system)
4. Press the required key on the transmitter to activate the related output on the receiver.  
Ex. **KEY 1** → **OUT 1 + RELAY MOTOR**



5. Press the **STOP** key to inhibit the controls reception. In this phase all the controls are reset. To activate again the system press **START**

## LED INDICATED ON THE RADIO TRANSMITTER

### REGULAR FUNCTIONING

While functioning regularly, the LED flashes when any key is pressed.

### LOW BATTERY

When the battery is low, the LED keeps flashing as far as a key is pressed. At this point, the system will function for a few more time: replace with new batteries (see "**TRANSMITTER'S BATTERIES REPLACEMENT**").



***Do not leave flat batteries inside the transmitter***

## SYSTEM CODING

It is necessary to code the system only if you have to replace the transmitter unit or if you want to use it with a different receiver from the one it was purchased with.



***To recode the system refer to the receiver user manual***

## TRANSMITTER'S BATTERIES REPLACEMENT



***Due to the electronical microelements of the radio control transmitter, carefully handle the under described operations in a clean environment.***

1. Use n. 2 "AAA" 1,5 V type **alkaline** batteries (due to the low radio control transmitter consumption it is not advisable to use carbon zinc batteries as they can undergo self-discharge more rapidly than alkaline ones. **Do not use rechargeable batteries**)



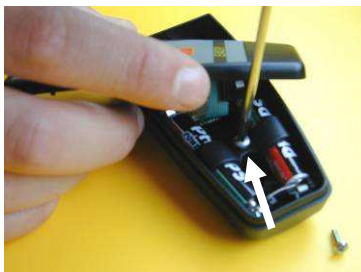
2. Open the transmitter case by screwing the screw located on its back, as the arrow indicates in the above picture;



3. Open the transmitter: the keypad is connected to the lower part of the transmitter by a flexible conductor: **handle it carefully to avoid it to come out**;



4. Turn the keypad cover of 90°



5. Unscrew the screw that keeps the batteries locked, as the arrows indicates in the above picture, and take it off (see the following picture)





6. Take the discharged batteries off.



7. Put the new batteries in, taking care of the polarity indicated next to every contact. Before closing the battery case, check that the LED flashes when any key is pressed and released on the transmitter. If this should not happen, check the correct positioning of the batteries.
8. Close the battery case by following backwards the instructions given.

## TROUBLESHOOTING AND SOLUTIONS

PROBLEM	POSSIBLE CAUSE	SOLUTION
The led on the radio control transmitter does not flash when pressing any key	Flat battery	Replace the radio control transmitter battery
The system does not react to any command	Flat battery	Replace the radio control transmitter battery
The system does not react to any command	Wrong replacement of the batteries	Check the correct batteries positioning
The system does not react to any command	System coding loss	Code again the system following the instructions related <u>only</u> to the correspondent receiver's coding.
The system reacts to any command in a not continuous way	Flat battery	Replace the radio control transmitter battery
The system reacts to any command in a not continuous way	Transmission out of the radio control transmitter range	Keep at a distance $\leq 80m$ from the receiver



**EC Declaration of conformity**  
 According to the Directive 1999/5/EC (R&TTE)



We: **SIST&MATICA** srl.  
 Herby declare that the product: **TRANSMITTER EASY**  
 Intended purpose: **BRD - DATA TRANSMITTER FOR INDUSTRIAL APPLICATION**  
 Manufactured by: **SIST&MATICA** srl.  
 Complies with the essential requirements of article 3 and other relevant provisions of the directive 1999/5/EC, when used for its intended purpose.  
 Health and safety requirements pursuant to article 3.1(a)  
 Standard applied: **EN 60950**  
 Protection requirements concerning electromagnetic compatibility (EMC) pursuant Article 3.1(b)  
 Standard applied: **EN 301 489-3**  
 Measures for the efficient use of the radio frequency spectrum pursuant Article 3.2  
 Standard applied: **EN 300 220-3**  
 The conformity assessment procedure referred to in Article 10 and detailed in annex 4 of the Directive 1999/5/EC has been followed.  
 Technical documentation kept by: **SIST&MATICA** srl.  
 Place and date: **Monza (CN), 2001-12-30**  
 Responsible person: **Mr. Claudio Arcano**  
 e-mail: **claudio.arcano@sistematica.it**  
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"Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment".