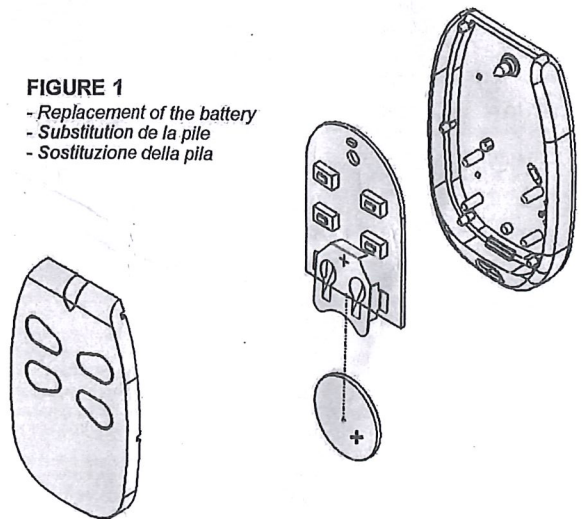# SMARTY 433

CARATTERISTICHE TECNICHE

Alimentazione: 1 Pila al litio – CR2032
Assorbimento: 15 mA circa
Frequenza di lavoro: 433.92 MHz
Potenza irradiata: 0.1 mW
Dimensioni : 40 x 65 x 8,5 mm
Peso : 25 gr
Temperatura di funzionamento : 0 / + 60 °C

TECHNICAL FEATURES

Power supply: 1 lithium battery – CR2032
Current absorption: approximately 15 mA
Working frequency: 433.92 MHz
Radiated power: 0.1 mW
Dimensions : 40 x 65 x 8,5 mm
Weight : 25 gr
Operating temperature : 0 / + 60 °C

LES CARACTÉRISTIQUES TECHNIQUES

Alimentation: 1 Pile au lithium – CR2032
Absorption: 15 mA environ
Fréquence de travail : 433.92 MHz
Puissance rayonnée : 0.1 mW
Dimensions : 40 x 65 x 8,5 mm
Poids : 25 gr
Température de travail : 0 / + 60 °C

FIGURE 1
- Replacement of the battery
- Substitution de la pile
- Sostituzione della pila

	P1	P2	P3	P4
Factory rolling code	X			X
Selected fixed code	X	X		
Random fixed code	X		X	
Copy function			X	X

FIGURE 3

LED

P1   P2
P3   P4

SMARTY433

FIGURE 2
- Position de copier
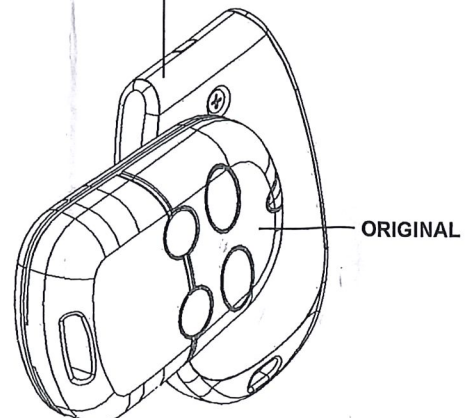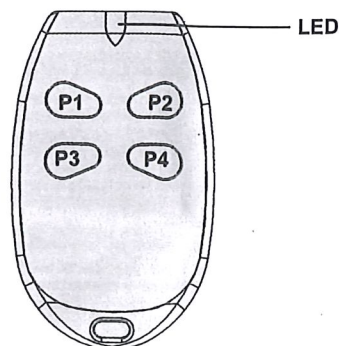- Position of copying
- Posizione di copiatura

ORIGINAL

DICHIARAZIONE DI CONFORMITÀ

Modello: SMARTY 433
Descrizione del dispositivo: Radiocomando per l'automazione di un cancello.
Norme applicate: EN60950-1 2006 , EN 50371 2002 , EN301489-1 V1-8-1 , EN301489-3 V1.8.1 , EN300220-2 V2.1.2
Il fabbricante dichiara che i prodotti sono conformi alle normative previste dalle Direttive Europee 99/5/EC e 2006/95/EC.
Data : 13-02-2014

CE

SMARTY 433 – INSTRUCTIONS Vers. 14 October 2017

MAIN FEATURES

SMARTY433 is a universal remote control and cloner (Fixed Code) whose <u>keys/channels can work each one independently, either with fix code or in rolling-code.</u> **SMARTY433** is a four channel device and operates at 433.92 MHz frequency (Yellow Led). The code can be programmed by means of **PS01 or L0428R** programmer. Power is supplied by one **CR2032** long autonomy lithium battery. If programmed by means of programmer **PS01 or L0428R**, and if matched with receiver **RSK4N or RSK4**, it allows the use of fruitful and sophisticated "**Secret Key**" system.

STORING INTO A RECEIVER

To store remote control into receiver, **refer to the specific instructions of the receiver.**

ROLLING-CODE MODE

The remote control is predisposed by the factory with serial Rolling-code on all keys, therefore it is not to be programmed by user. Anyway it is always possible to restore the original factory Rolling-code, operating in the following way:

a) Press at the same time <u>P1 and P4 keys for 10 sec. approx.</u> until the led switches on with a fixed light (phase preceded by blinking and switching off).
b) Release **P1** and **P4** and check that the led switches off. The operation is completed.

If **Leb electronics** receiver is predisposed for remote auto-learning (Far Storing - see receiver instructions), in order to store a **SMARTY433** in a working receiver, you can use following procedure, provided that at least one remote controls (Rolling Code) is already stored:

a) **Make sure to perform below operations within operating range of receiver - IMPORTANT**
b) On new SMARTY433 (Rolling Code mode) to be stored, press key you want to store till led switches off;
c) On an already stored and working remote control (Rolling Code), press the working key you want to copy for 2 secs;
d) On new SMARTY433 press again same key as at point **a)** for 2 seconds. Operation completed.

Attention: the procedure works only if the two remote controls transmit in rolling modality.

To program **SMARTY433** remote control with the exclusive rolling code (**Secret Key** protocol) it is necessary to use **PS01** or **L0428R** programmer. In this case, refer to their instructions manuals.

FIXED CODE MODE

To use SMARTY433 in fixed code mode on all keys, follow below procedure:

a) Press at the same time <u>P1 and P2 keys for 10 sec. approx.,</u> until the led switches on with a fixed light (phase preceded by blinking and switching off).
b) Release **P1** and **P4** keys and check that the led switches off (programming mode enabled)
c) Compose the code combination by pressing the keys <u>P1 (OFF or 0) and P2 (ON or 1)</u> in sequence. Wait for **1 second between pressing the keys and** complete the **10 positions** of the combination. Once the 10th position has been completed, the led flashes three times to confirm that the code has been correctly entered.

IMPORTANT: the 4 operation channels will be automatically assigned to the 4 keys of SMARTY433. To change code repeat the operation from point **a)**.

ATTENTION: In programming mode (from point b), a delay longer than 30 seconds without carrying out any operation will cause the cancellation of the procedure. In this case no setting will be saved.

Moreover it is also possible to program **SMARTY433** in order to make it a new **Leb electronics** remote control with random 12 bits fixed-code. In this case, operate in the following way:

a) Press at the same time <u>P1 and P3 keys for 10 sec. approx.</u> until the led switches on with a fixed light (phase preceded by blinking and switching off).
b) Release P1 and P3 keys and check that the led switches off. The operation is completed.

If code is set by **L0428R programmer**, refer to instructions manual.
IMPORTANT: the code of the new remote control will be random attributed. The 4 operation channels will be automatically matched to each one of the 4 keys of the remote control.

OPERATION AS A COPIER (Only for fixed-code remote controls)

SMARTY433 can copy the majority of remote controls with fixed code on the market **from 12 to 80 bits**. Any key can copy a fixed code, <u>independently if the other keys work with rolling-code.</u>

To copy a fixed code remote control, follow below procedure:

a) Press at the same time <u>P3 and P4 keys on SMARTY 433 for 10 sec. approx.</u> until the led switches on with a fixed light (phase preceded by blinking and switching off).
b) Release P3 and P4 keys and check that the led switches off (programming mode enabled)
c) Then press pushbutton on SMARTY433 you want to copy the code into, the led switches on with fixed light
d) Place original remote control to copy close to **SMARTY433** as shown in figure 2
e) Press pushbutton on the original remote control in order to transmit the code to be copied
f) The led flashes three times to confirm that the operation of copying has been completed.

ATTENTION: In programming mode (from point b), a delay longer than 30 seconds without carrying out any operation will cause the cancellation of the procedure. In this case no setting will be saved.

MAINTENANCE

It is recommended to avoid shocks and falls that can cause damages of remote. The only maintenance operation to be performed is periodical replacement of battery (every year approximately). In this case open the cover of the remote control and insert the battery respecting polarities shown in figure 1.

ATTENTION: Replace the battery with the same model as the original ones.

ATTENTION: In case of device disposal, battery is to be previously removed and disposed of according to local regulations. In no case it can be dumped in environment or in solid urban waste.

EMERGENCY AND FIRST AID PROCEDURES

The electrolyte contained in the battery is irritant for eyes and skin; in case of electrolyte leakage, avoid every physical contact. In case of skin or eyes contact, immediately and thoroughly wash with water and go to a doctor.