1) DESCRIPTION

32-channel radio transmitter with programmable encoding and 433.92 MHz operating frequency.

Each channel has two key codes, similar to a transmitter with 2 key codes; the two channels can be selected using the buttons "UP" and "DOWN" that ensure a more intuitive use in the case of automated rolling shutters, shutters and vertical closing systems, but it can also be used for other types of automations. The built-in LCD display enables you to create up to 6 different groups of channels, and thus to control multiple automations simultaneously.

THUMB32 is compatible with all types of radio receivers, each channel can be assigned one of the following types of codes:

- **Fixed code (FIX)**: to use with programmable code receivers. Programmable code receivers can store a defined number of transmitter codes. Due to its intrinsic features, this system has the lowest degree of protection against code decryption.

- **Rolling-code (HCS)**: to be used with conventional Rolling-code receivers. The code of these receivers varies according to an algorithm set by the manufacturer. During data storage, the receiver synchronizes with the transmitter and thus it will be able to recognize the same when the transmission code changes. This system provides excellent protection against code decryption.

- **Advanced Rolling-code (ARC)**: to use with the new-generation Rolling code receivers with 128 bit security key. These receivers work similarly to the HCS Rolling-code receivers, but the algorithm uses a new 128-bit encryption that makes it impossible to copy, bringing security to an even higher level.

The package includes the THUMB32 transmitter and the wall-mounting kit inclusive of wall plugs. The device comes with a protective tab that prevents battery drain. Pull the tab a described in fig. 2 to start using the transmitter THUMB32.

IMPORTANT:

These instructions refer exclusively to the functions available on the radio transmitter THUMB32. For the transmitter code storage procedure please refer to the specific manual that came with your receiver.

2) INFORMATION

2.1) WALL MOUNTING

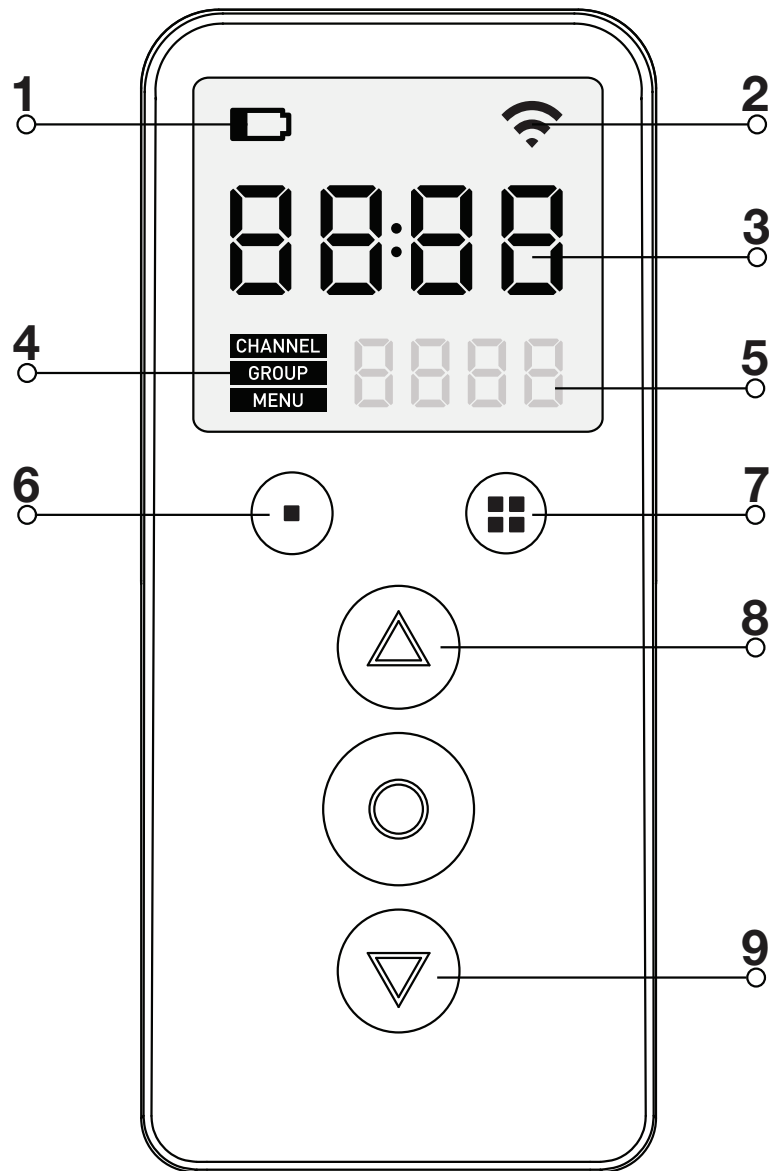To fix the device to the wall use the wall plugs supplied and observe the heights indicated in fig. 3. The recommended wall mounting height is 150 cm.

2.2) HOW TO REPLACE THE BATTERY

The battery charge level indicator flashes to indicate the need for immediate replacement.

To replace the battery, remove the fixing screws V and open the cover as described in fig. 5, replace the battery observing the correct polarity.

Dispose of the battery in compliance with the regulations in force.

3) LCD DISPLAY AND BUTTONS

1. Battery charge level indicator	▭▸
2. Transmitter code sending indicator	📶
3. Main display	
4. Channel/Group mode indicator	
5. Secondary display	
6. Channel Mode (ch)	▪
7. Group Mode (Gr)	⊞
8. Press briefly (<0.3s): Increase channel/group Press 1 sec.: send transmitter code.	△
9. Press briefly (<0.3s): Decrease channel/group Press 1 sec.: send transmitter code.	▽

4) USER GUIDE

ACCESS TO CHANNEL MODE
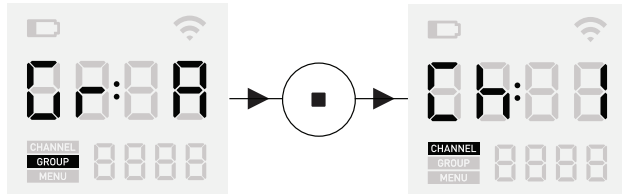
ACCESS TO GROUP MODE
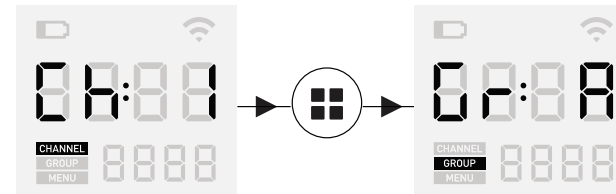
(•) and (⊞) buttons allow you to access the channel mode (transmission of a single code) and the group mode (transmission of a code group). After selecting the desired mode, select the channel or group with the buttons (△) or (▽) .

SEND TRANSMITTER CODE/UP
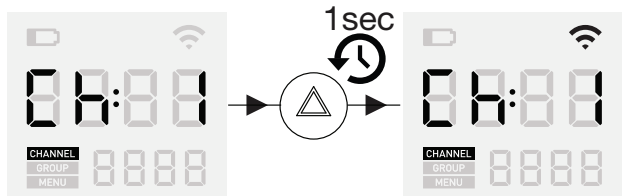
SEND TRANSMITTER CODE/DOWN
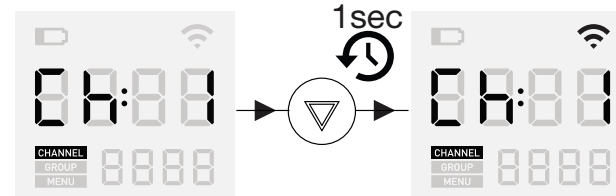
Press and hold for 1 sec the increase or decrease button to send the signal.
In channel mode (ᴄʜ) you can associate different functions to increase and decrease key for each of the 32 channels available. In group mode (ɢʳ), select the desired group (from ᴀ to ꜰ) using the keys (△) or (▽) and type the send signal button. All channels present in the selected group are transmitted.

COMBINATION OF BLOCK/UNLOCK
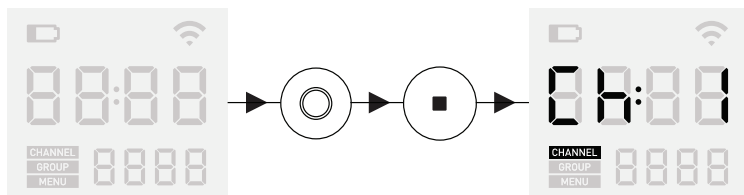
If the protective function "Block (ʙʟᴏᴄ)" is on, you must press a sequence of buttons on the device (see figure to the side) to access the channel or group mode. The device comes with the "Block (ʙʟᴏᴄ)" mode disabled. To activate the function use the menu (see SETUP). With the "Block (ʙʟᴏᴄ)" function enabled, if you press any button on the remote control, on display appears the message (ʙʟᴏᴄ ᴏɴ).
The unlock function is used to avoid pressing keys accidentally or to prevent the device from being used by unauthorized persons. The above combination is used both to lock and unlock the device.

5) THUMB32 IN SETUP MODE
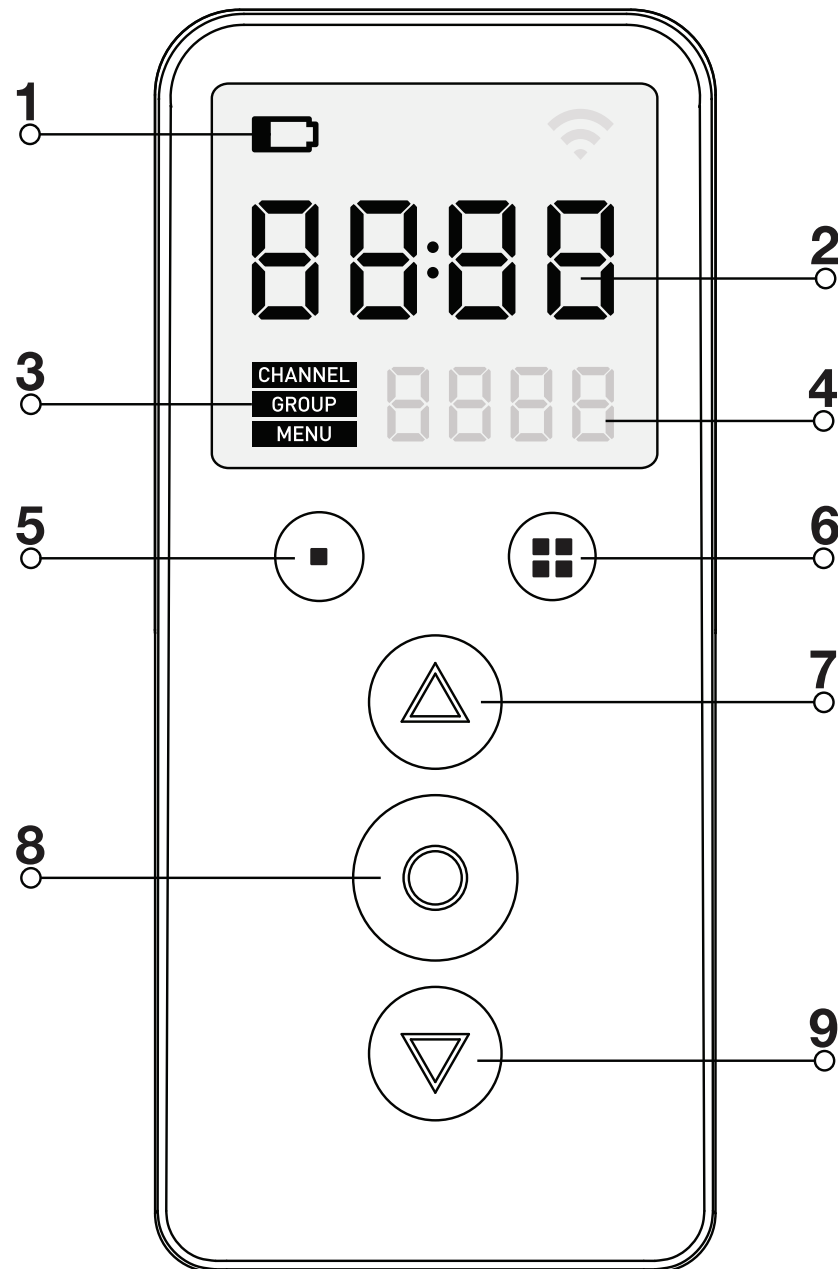
1. Battery charge level indicator	🔋
2. Main display	
3. Channel/Group/ Menu mode indicator	
4. Secondary display	
5. Exit/Back	▪
6. Save/Confirm setting	⊞
7. Next value	△
8. Access the function setup or selection mode	◎
9. Previous value	▽

TECHNICAL DATA

Size	118x53x19mm
Protection rating	IP40
Power supply	Battery 3V CR2032 Li-mn
Number of channels	32
Number of groups	6
Radio frequency	433.92 MHz
Code	Fixed Code (FIX), Rolling Code (HCS), Rolling Code (ARC)
Antenna	Built-in
Operating temperature	0°C ÷ +60 °C

6) THUMB32 SETUP

All information provided below relate to the THUMB32 device configuration that must be carried out by qualified personnel.
The user guide containing the basic functions for normal operation of the transmitter can be separate and given to the user of the system.
Figure 6 shows a layout of the available setup menus; after reading this manual entirely, it can be useful to quickly find the desired function.

The installer must inform all users on the operation of the automation system controlled by the transmitter THUMB32; the last pages of this manual contain a table to fill out as a reminder of particularly complex installations. **It is forbidden to use the transmitter in dead man operating mode.**
PASSWORD: All setup functions are password protected to prevent unauthorized editing or changes. The factory default password is 0000; it can be modified as indicated in the section "Change Password".
To enter the password, select the desired digit with the buttons Ⓐ or ▽ ,button, confirm with the Ⓞ button and enter the next digit. Once you have entered the correct password you can continue the setup; to simplify the procedure, the password input step will be omitted in the descriptions that follow.

6.1) SETTING THE RADIO CODE

In standard setup, all channels are set in Rolling-code mode HCS with progressive serial number.

To change the mode of transmission of one or more channels:

1) press the ⊙ button and hold it down for at least 5 sec to enter the setup menu

2) scroll through the menu using the keys △ or ▽ until reaching the *ch*, mode, confirm with the button ⊙

3) use △ or ▽ buttons to select the number of the channel that you want to change, confirm with the button ⊙

4) press the buttons △ and ▽ to choose the encoding mode:

   FIX: fixed code/programmable, **HCS:** Rolling code or **ARC:** (Advanced Rolling-Code).

5) press the ⊞ button to confirm and save your settings.

The display shows OK to confirm the programming.

6.2) ASSOCIATION OF A CHANNEL WITH A GROUP

Each of the 32 channels can be assigned to one group or more groups available.

To associate a channel with the group proceed as follows.

1) press the ⊙ button and hold it down for at least 5 sec to enter the setup menu

2) scroll through the menu using the keys △ or ▽ until reaching the *Gr*, confirm with the button ⊙

3) press the keys △ or ▽ to select the group to change and confirm with the button ⊙

4) select the channel to be associated using the △ or ▽ button, type ⊙ to associate/dissociate the channel with/from the reference group. If the channel is linked, the icon `CHANNEL` will be displayed to the side.

This operation can be made for each of the 6 groups (from *A* to *F*) available.

5) press the ⊞ button to confirm and save your settings.

The display shows OK to confirm the programming.

Upon first start-up, the device comes with 6 groups (da *A* ad *F*) with preset channels which can be changed at any time by using the above procedure. The following table illustrates the contents of the groups upon the first start-up of the device.

GROUP NAME	NO OF PRESET CHANNELS	CHANNELS INCLUDED
A	4	Ch1, Ch2, Ch3, Ch4
B	4	Ch5, Ch6, Ch7, Ch8
C	8	Ch9, Ch10, Ch11, Ch12, Ch13, Ch14, Ch15, Ch16
D	8	Ch17, Ch18, Ch19, Ch20, Ch21, Ch22, Ch23, Ch24
E	8	Ch25, Ch26, Ch27, Ch28, Ch29, Ch30, Ch31, Ch32
F	32	da Ch1 a Ch32

NB: A group is visible only if it contains associated channels, otherwise it will be present and editable in the Setup Menu but not visible and editable by the user in Group Mode.

6.3) EDIT PASSWORD TO ACCESS THE SETUP MENU

To access the advanced menu there is a 4-digit password supplied with the device. You can change the password and set your own.
1) press the ⊙ button and hold it down for at least 5 sec to enter the setup menu
2) scroll through the menu using the keys △ or ▽ until reaching the Code mode, confirm with the button ⊙
3) enter the new password by scrolling the digits with the △ or ▽ button, press ⊙ to move to the next code box.
4) type the password again to confirm.
The display shows OK to confirm the programming.

6.4) ENABLE OR DISABLE DEVICE BLOCK

The device can activate a block to enter the channel or group mode.
The unlock combination is available in the user instructions of this owner's manual and is intended to prevent unauthorized access to the device. To activate or deactivate the block function proceed as follows.
1) press the ⊙ button and hold it down for at least 5 sec to enter the setup menu
2) scroll through the menu using the keys △ or ▽ until reaching the $bLoc$ mode, confirm with the button ⊙
3) select with the buttons △ or ▽ the option on(enabled) or oFF(disabled), press the ⊞ button to confirm.
The display shows OK to confirm the programming.

6.5) ASSOCIATING A BUTTON

For regular 2 and 4 channel transmitters, each button bears a code that distinguishes them: B1/B2 for two-channel and B1/B2/B3/B4 for four-channel. Some receivers are able to automatically assign specific functions to each button.

In the THUMB32, each channel (𝑐ℎ) corresponds to a two-channel transmitter where:

- the △ button is the button B1 (default)
- the ▽ button is the button B2 (default)

It is possible to relink the two buttons. Proceed as follows:

1) press the ○ button and hold it down for at least 5 sec to enter the setup menu

2) scroll through the menu using the keys △ or ▽ until reaching the btn mode, confirm with the button ○

3) select with the buttons △ or ▽ button the channel (𝑐ℎ) for which you want to set the buttons △ or ▽ , confirm with the ○ button.

4) select (UP or DOWN) the button you want to set, confirm with the ○ button.

5) select which function to assign (Btn1/Btn2/Btn3/Btn4), confirm with the button ⊞.

The display shows OK to confirm the programming.

6.6) DELAY FUNCTION

The simultaneous movement of several automated systems can cause, in some cases, problems to your network security device (differential). Therefore, it is better to set a delay time between a command and the next. The factory preset delay value is 0.1 seconds. To increase it up to 2 seconds, perform the following steps.

1) press the ○ button and hold it down for at least 5 sec to enter the setup menu

2) scroll through the menu using the keys △ or ▽ until reaching the 𝑑𝐿𝑌 mode, confirm with the button ○

3) select with the buttons △ or ▽ ibutton the delay time (the value is expressed in tenths of a second).

4) Press ⊞ to confirm

The display shows OK to confirm the programming.

7) WASTE DISPOSAL

As indicated by the symbol shown, it is forbidden to dispose this product as normal urban waste as some parts might be harmful for environment and human health, if they are disposed of incorrectly. Therefore, the device should be disposed in special collection platforms or given back to the reseller if a new and similar device is purchased. An incorrect disposal of the device will result in fines applied to the user, as provided for by regulations in force..