

MINI-RECEIVER MODULE FOR RECESSED INSTALLATION - MAINS OPERATION

115/230Vac – 2 INDEPENDENT CHANNELS

Product Code: **33000145MIP**



PRODUCT SUMMARY :

2-Channels extremely compact recessed receiver module, suitable for light control and other mains powered loads, powered by 230 V mains.

A flexible and intuitive menu allows you to program advanced functions independently for each channel. An integrated acoustic alarm facilitates programming by indicating the progress of the menu.

The radio frequency receiver is the super-heterodyne type, controlled by microcontroller with decoding functions, remote control learning, anti-noise digital filter.

The use of a SAW filter provides excellent selectivity and suppresses off-band signals, allowing the use of the product even in the presence of disturbances.

Power is supplied by an efficient low power supply (standby $\leq 0.3W$), characterized by a wide range of operating voltage and is also protected against over voltages on the mains input.

The module has been certified according to Radio Equipment **Directive (RED) 2014/53/EU**.

Compliant with **REACH** and **RoHS** directives.

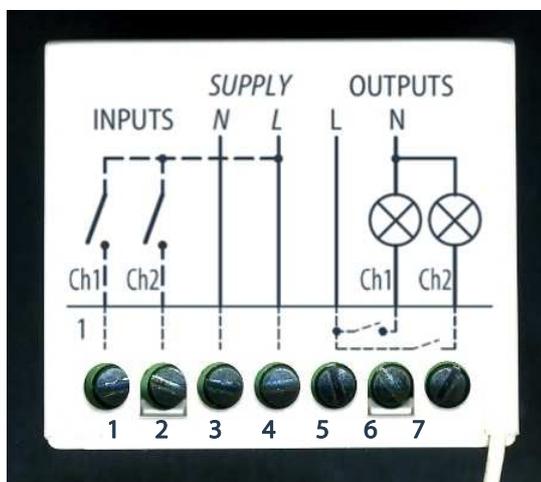
APPLICATIONS :

Remote control for blinds and curtains, wireless control for lighting, smart lighting, light-spots, energy saving, home automation actuators, etc..



MECHANICAL CHARACTERISTICS

EXTERNAL DIMENSIONS:



Height	=	36 mm
Width	=	42 mm
Length	=	21 mm

TERMINAL BOARD CONNECTIONS :

- 1 – Local channel 1 input
(active when connected to 4)
- 2 – Local channel 2 input
(active when connected to 4)
- 3 – power supply (neutral or “-“)
- 4 – power supply (line or “+“)
- 5 – common of relay contacts
- 6 – channel 1 n.o. output contact
- 7 – channel 2 n.o. output contact

MIPOT S.P.A.

Via Corona, n.5
(Zona Ind.)

34071 Cormons (GO)
Italy

Tel. +39 0481 630200 ra.

Fax +39 0481 62387

mipot@mipot.com

ABS. MAX. RATINGS

Supply voltage:	250VAC	
Output contacts current:	5A/1250VA @ 250VAC	Cosφ = 1
	5A/150W @ 30VDC	Resistive Load
Max output current (with closed contact):	5A	
Storage temperature:	- 40 ÷ + 100 °C	
Operating temperature:	- 20 ÷ + 40 °C	

ELECTRICAL CHARACTERISTICS AT + 25 °C TEMPERATURE

Parameter	Min.	Typ.	Max.	Unit	Notes
Supply voltage (VAC - 50/60Hz)	100	-	250	V~	
Power consumption (Standby –reception only)	-	0,3	-	W	
Power consumption (1 active relay)	-	0,8	-	W	
Power consumption (2 active relays)	-	1.4	-	W	
Operating frequency	-	433.92	-	MHz	
Free space range	-	150	-	m	Note 1
Range inside buildings	-	20	-	m	Note 1
Nr. of storable remote controls	-	-	30		
Start-up time	-	-	2	s	Note 2
Time for command execution	-	-	0,5	s	Note 3
Output contacts current VAC	-	-	5A/1250VA@ 250V	A~	Cosφ = 1
Output contacts current VDC	-	-	2A/500 VA@ 250V 5A/150 W @ 30VDC	A ~ A =	Cosφ = 0.4 Resistive Load
IP level	IP20				

Note 1: The estimated range has to be considered as purely indicative, since the reception is susceptible to interference due to other nearby devices operating at the same frequency as well as the nature and disposition of any obstacles interposed between transmitter and receiver.

Note 2: Time by power-on to valid data reception.

Note 3: Time by command transmission (pushing of remote-control key) and execution (closure of the relay contact).

MIPOT S.P.A.

Via Corona, n.5

(Zona Ind.)

34071 Cormons (GO)

Italy

Tel. +39 0481 630200 ra.

Fax +39 0481 62387

mipot@mipot.com

GENERAL WARNINGS



- This document contains important instructions for your safety and for a correct use of the device, please observe these specifications and keep them for the life of the product.
- The receiver has been developed to control single-phase electric devices such as lamps or motors not exceeding the maximum specified ratings, any other use is prohibited.
- The product is under dangerous electrical voltage.
- All connections must be made in the absence of voltage.
- The installation of the device and the connected equipment should be performed by qualified personnel only, in compliance with current regulations and with this document; non-compliant installation can lead to serious danger.
- The product is intended to operate only within junction boxes or electrical socket boxes, so its casing does not have any degree of protection against ingress of liquids and only a basic protection against contact with solids (IP20). It is strictly forbidden to use the product in other than its intended use.
- Do not open or drill the plastic casing of the product, the underlying circuits are live; do not cut or strip the wire antenna since it is under line voltage.

INSTALLATION



- The controls (buttons or switches) and the connecting cables must have adequate insulation characteristics for use in electrical systems with an operating voltage of at least 300 VAC
- The power supply lines must be protected by an adequately sized magneto-thermic and differential circuit breaker (with overvoltage category III or contact spacing greater than or equal to 3.5 mm) to ensure all-pole disconnection from the network in case of failure. If this device is not close enough to the equipment you need to have a blocking system against unauthorized connection or add an extra disconnecting device.
- The device does not offer protection against overloads or short circuits on the outputs, so it is necessary to provide adequate protection to the loads installed (fuse or circuit breaker) on the power line.
- Do not install the receiver in sections of SELV system plant (e.g. bell circuits, video, 12/24V lights, LED circuits, etc.).
- The maximum length of the local input cables (terminals 1 - 2, see below) is 4 meters.

MIPOT S.P.A.

Via Corona, n. 5
(Zona Ind.)

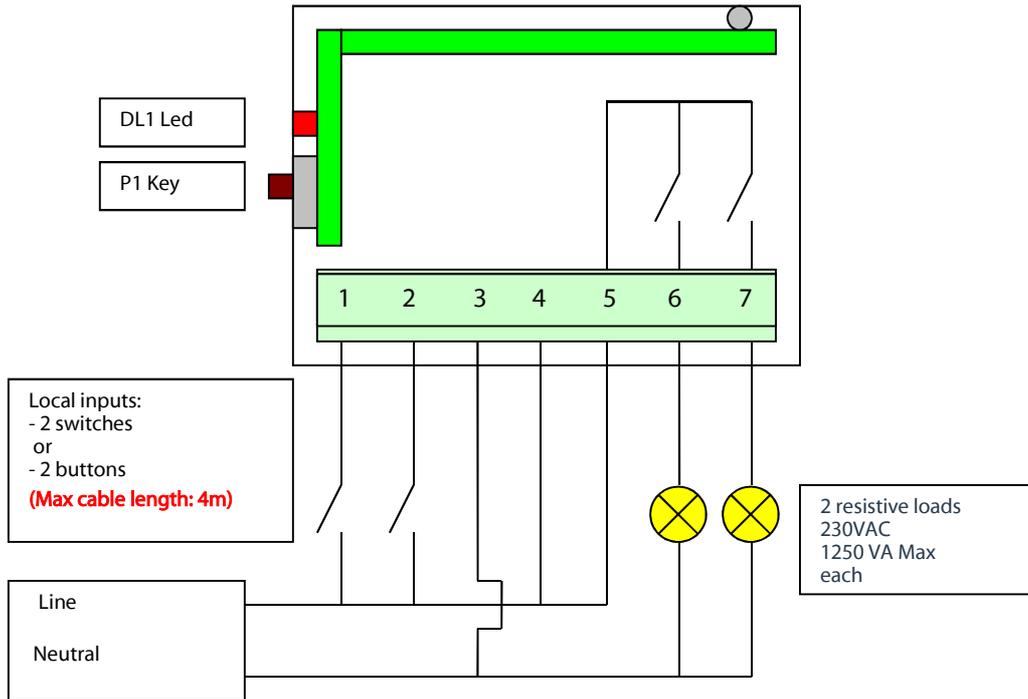
34071 Cormons (GO)
Italy

Tel. +39 0481 630200 ra.

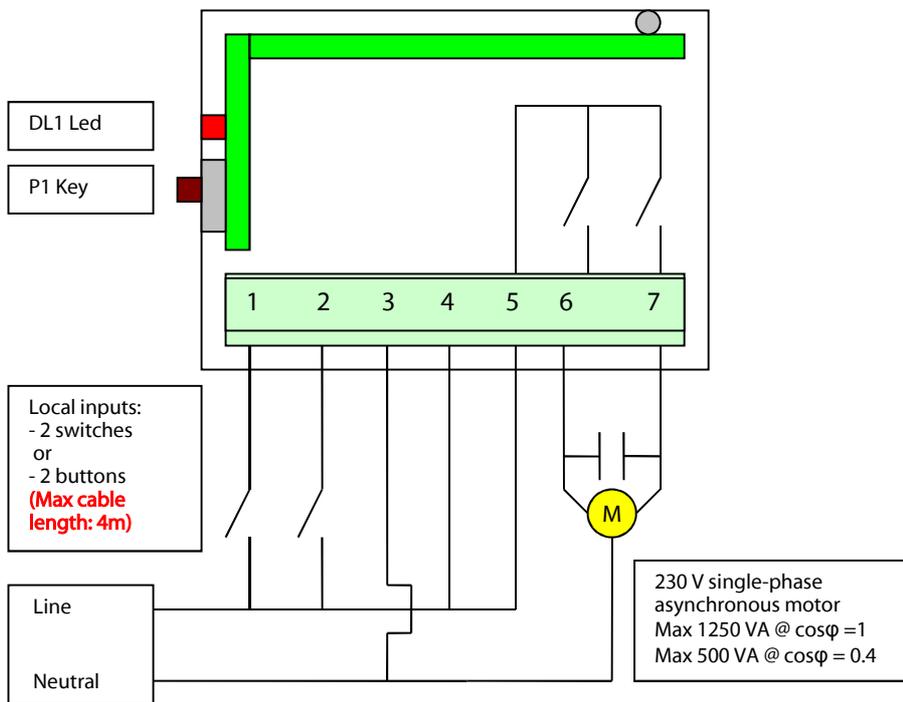
Fax +39 0481 62387

mipot@mipot.com

SCHEMATIC WIRING INDICATIONS:



Schematic 1. Schematic indications for the control of 2 independent loads, such as for example 2 bulbs.



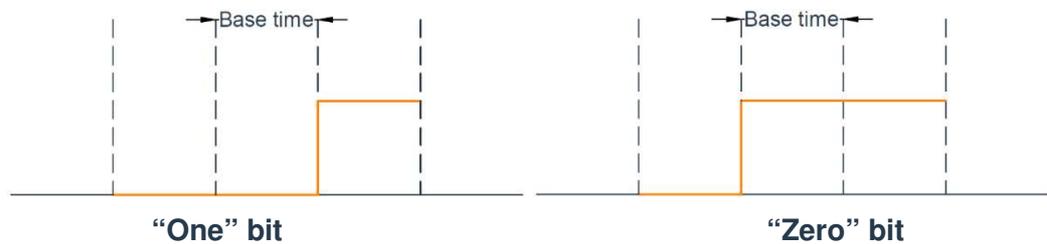
Schematic 2. Schematic indications for the control of a single-phase asynchronous motor.

Make sure the connections are correct before powering the module: incorrect connection may damage the equipment and cause danger to personal safety.

CHARACTERISTIC OF FIXED FRAMES RECOGNIZABLE BY THE RECEIVER

The receiver is capable to correctly recognize remote controls with either FIXED CODE or HCS (ROLLING CODE). The characteristics of FIX codes that the receiver is capable to recognize are:

- **Base time:** from 300 us to 1 ms
- **Start bit high for one base time duration**
- **Format:**
 - **0 bit** low for one base time duration and high for two base times
 - **1 bit** low for two base times duration and high for one base time
- **Bit Number:** from 12 to 40
- Minimum number of decoded frames: 2



In case of fixed codes, the receiver executes the command if receives a frame having with a base time with a tolerance of $\pm 10\%$ with respect of the base time measured during the learning process.

USER MANUAL

1. DESCRIPTION

This receiver has been developed for recessed installation into wall outlets and permits the control of devices from remote or local (e.g. via a control panel or standard wall-recessed switches) through two relay output channels. It is powered directly from the 115/230 Vac mains. For remote operation, you can use any ASK or OOK remote control operating at 433.92 MHz, **FIX or ROLLING code**.

1.1 General Characteristics

- Power supply: 115/230Vac 50/60Hz
- Operating frequency: 433.92 MHz
- Modulation: ASK/OOK
- 2 relay outputs: maximum current **5 Ampere**. Examples:
 - **$P_{max} (230 V) = 1250 VA$ at $\cos\phi=1$,**
 - **$P_{max} (230 V) = (1250 \times \cos\phi) VA$ at $\cos\phi < 1$**
 - **$P_{max} (115 V) = 625 VA$ at $\cos\phi = 1$,**
 - **$P_{max} (115 V) = (625 \times \cos\phi) VA$ at $\cos\phi < 1$**
- 2 local inputs
- 4 output control modes:
 - **monostable**
 - **bistable (factory default)**
 - **timed**
 - **motor control**
- Key for learning / configuration
- Led + buzzer during learning / configuration
- **Up to 30 storable remote-controls** (the number is depending upon the used coding)

1.2 I/O terminal board

Description of I/O terminal board connections:

- **Terminal 1**: input 1, for local control of output 1
- **Terminal 2**: input 2, for local control of output 2
- **Terminal 3**: power supply input (line/positive)
- **Terminal 4**: power supply input (neutral/negative)
- **Terminal 5**: relays common
- **Terminal 6**: Normally Open output 1
- **Terminal 7**: N.O. output 2

MIPOT S.P.A.

Via Corona, n.5
(Zona Ind.)

34071 Cormons (GO)
Italy

Tel. +39 0481 630200 ra.

Fax +39 0481 62387

mipot@mipot.com

2. OPERATION

2.1. Operation with remote input (remote control)

Switching on the device

When you turn on it, the device emits:

- One LED flash, accompanied by one low tone of ½ second if there is at least one remote stored
- Two LED flashes accompanied by two low tones if there are no remote controls stored.

The receiver is able to receive FIX CODE and ROLLING CODE remote controls.

Each radio button is stored individually by associating the procedure for programming the function desired by the user (See Table 1).

Table 1:

OPERATION OF TRANSMITTER IN “LIGHT CONTROL” MODE	
<i>N° of Operating mode</i>	<i>Operation</i>
1.1	Monostable
1.2	Bistable
1.3	Timed
OPERATION OF TRANSMITTER IN “MOTOR CONTROL” MODE	
<i>N° of Operating mode</i>	<i>Operation</i>
2.1	Stepped
2.2	Ascent/stop
2.3	Descent/ stop
2.4	Deadman stepped
2.5	Deadman ascent
2.6	Deadman descent
2.7	Stop
2.8	Ascent
2.9	Descent

Each command described in Table 1 will be stored as a single remote control and is strictly associated with the pressed button. If the receiver recognizes the same code but the radio button is not the correct one, the receiver does not run any command.

On reception of a valid code the receiver performs only the function for which the code is assigned.

2.2. Operation with local input

2.2.1. Local input in “Light Control” Mode

The operation is similar to the remote mode, with the difference that in this mode, the local

inputs (terminals 1 & 2) can be connected to standard recessed devices (buttons or switches).

To enable these two options the following operating logic is implemented:

- If the contact is kept closed for less than one second (or when using a standard **button**), the command is executed only at the contact closing
- if the contact is kept closed for a longer time (i.e. when using a standard **switch**), the command is executed at both the closing and the reopening of the contact.

2.2.2. Local input in “Motor Control” Mode

In this mode, the local inputs assume the following specifications:

Table 2:

LOCAL INPUT OPERATION	
<i>Combination</i>	<i>Effective Function</i>
Input 1	Ascent/stop
Input 2	Descent/stop
Input 1 and 2 simultaneously	Stepped

MIPOT S.P.A.

Via Corona, n.5
(Zona Ind.)

34071 Cormons (GO)
Italy

Tel. +39 0481 630200 ra.
Fax +39 0481 62387
mipot@mipot.com

3. FUNCTIONS DEFINITIONS

3.1. Functions of “Light Control” mode

FUNCTIONS OF “LIGHT CONTROL” MODE	
<i>Function</i>	<i>Description</i>
1.1 Monostable	<p>The selected output is activated when pressing any one of the corresponding buttons on the remote control.</p> <p>If the output is already active (for example, during the corresponding activation of the local command), a subsequent activation command (e.g. pressing the corresponding button on the remote control) is ignored.</p> <p>In case of voltage dip, when power returns the mini receiver maintains the state of the outputs (if the local input status is not changed during the power failure).</p>
1.2 Bistable	<p>The outputs are controlled as follows:</p> <ul style="list-style-type: none"> - First press of the button: the stored output on the corresponding button is activated - Second press of the remote control: the output is disabled <p>In addition, when the local switch is closed, and its output is active, if you press the corresponding button on the remote control the output turns off, and when you reopen the switch the output is activated again.</p> <p>Finally, the bistable is the default mode in which receivers come out of the factory, it is automatically reset after erasing the</p>
1.3 Timed	<p>In this mode, the selected output is switched on remotely to the pressure of any of the corresponding buttons on the remote control and remains active for a period of time (timeout) previously stored in the device. The output can be turned off when you press the button, after a minimum time of 5 seconds.</p> <p>The output can be controlled similarly also in local.</p> <p>(E.g.: if the switch is closed, the output is turned on for the set time, after which turns off. If you then open the switch, the output is activated and the timer starts again. Changing the status of the switch is equivalent to pressing the button: it causes the deactivation of the output, after a minimum time of 5 seconds).</p>

3.2. Functions of “Motor Control” mode

The “Motor Control” mode features a user-programmable timeout whose purpose is to stop in any case the received command (either from remote or local inputs) to safeguard the motor.

The relays cannot be active simultaneously. Any change of activation will be preceded by a deactivation of both outputs for a minimum period of **500 ms (minimum 400ms)**.

FUNCTIONS OF “MOTOR CONTROL” MODE	
Function	Description
2.1 Stepped	The receiver executes the command Step by Step, i.e. at each new command reception from the remote or at each new local input, will observe the sequence of UP-STOP-DOWN-STOP-UP...
2.2 Ascent/stop	Upon reception of the command the receiver activates the ascent relay for the time set, the reception of a second command deactivates the relay.
2.3 Descent/stop	Upon reception of the command the receiver activates the descent relay for the time set, the reception of a second command deactivates the relay.
2.4 Deadman Stepped	Upon reception of the command the receiver behaves as per 2.1 without executing the STOP command between ascent and descent. In addition, the activation of the relay is performed only for the period in which the receiver recognizes the radio code / local button. The relay is deactivated if the command is no longer present for a
2.5 Deadman Ascent	Upon reception of the command the receiver activates the “ascent” relay. The relay is deactivated if the command is no longer present for a continuous period of 500 ms or if the maximum working time has
2.6 Deadman Descent	Upon reception of the command the receiver activates the “descent” relay. The relay is deactivated if the command is no longer present for a continuous period of 500 ms or if the maximum working time has
2.7 Stop	Upon reception of the command the receiver disables the “ascent” or “descent” relay.
2.8 Ascent	Upon reception of the command the receiver activates the “ascent” relay for a maximum time equal to the maximum working time set.
2.9 Descent	Upon reception of the command the receiver activates the “descent” relay for a maximum time equal to the maximum working time set.

For all MOTOR CONTROL modes, in case of voltage dip, when power returns the mini receiver maintains the outputs OFF.

Mipot S.p.A. reserves the right to modify the specifications without notice

Cormons, August 27, 2019

PROCEDURES

MEMORY RESET		
Phase	Description	Example
1	Press and hold the programming button of the MINI-RX until the LED on the receiver performs a blink and the buzzer performs an acoustic warning.	 $\text{LED} \times 1 + \text{Buzzer} \times 1$
2	After about 1 second by the release of the button, the LED on the receiver emits five flashes and five acoustic warnings.	 $\text{LED} \times 5 + \text{Buzzer} \times 5$
3	Press the button of the receiver during the third flash/acoustic warning .	 $\text{LED} \times 3 + \text{Buzzer} \times 3$
4	<p>If cancellation is successful the receiver will emit 3 short flashes and 3 acoustic warnings.</p> <p>The memory erasure resets the device to factory default settings:</p> <ul style="list-style-type: none"> - No remote control stored - Light Control – Bistable mode - Default timings (see paragraph “TIMEOUT PROGRAMMING”) 	 $\text{LED} \times 3 + \text{Buzzer} \times 3$
5	End	

MIPOT S.P.A.

Via Corona, n. 5
(Zona Ind.)

34071 Cormons (GO)
Italy

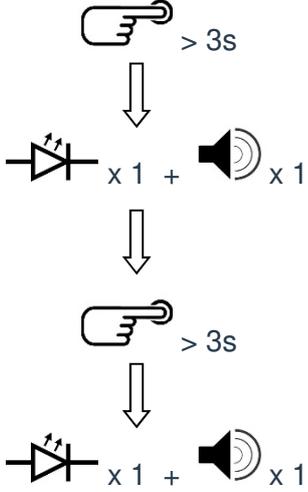
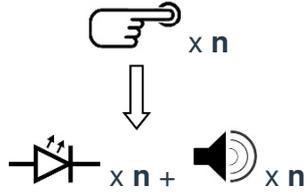
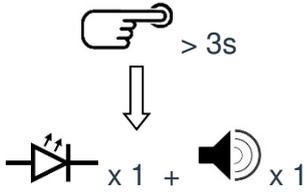
Tel. +39 0481 630200 ra.

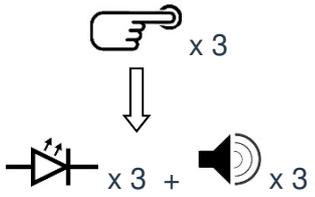
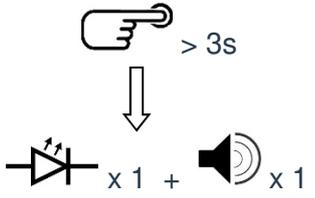
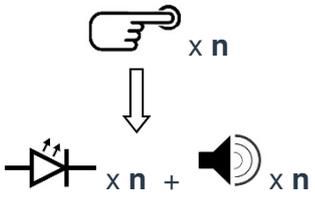
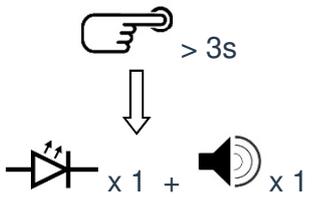
Fax +39 0481 62387

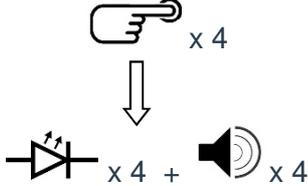
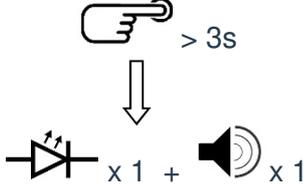
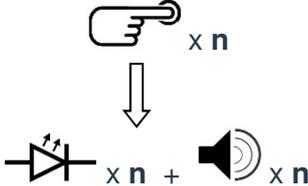
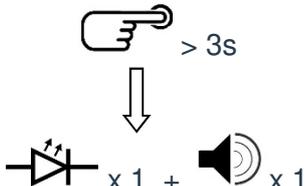
mipot@mipot.com

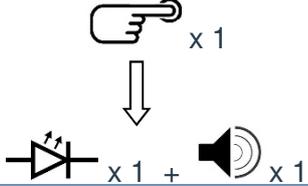
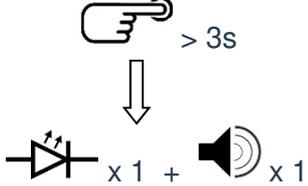
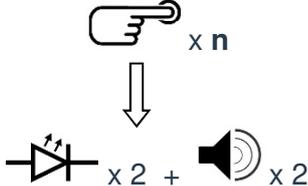
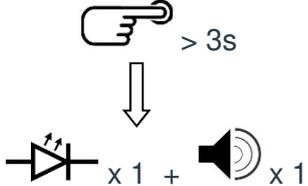
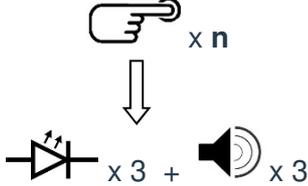
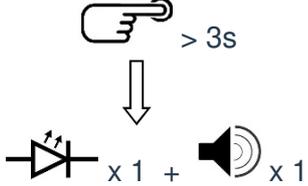
REMOTE CONTROLS MEMORY ERASURE		
Phase	Description	Example
1	Press and hold the programming button of the MINI-RX until the LED on the receiver performs a blink and the buzzer performs an acoustic warning.	 ↓ 
2	After about 1 second by the release of the button, the LED on the receiver emits five flashes and five acoustic warnings.	
3	Press the button of the receiver during the fourth flash/acoustic warning .	 ↓ 
4	If cancellation is successful the receiver will emit 5 short flashes and 5 acoustic warnings. The remote controls memory erasure does not reset the outputs settings.	
5	End	

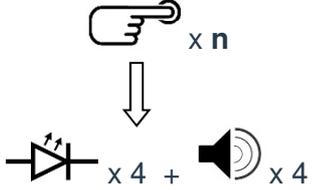
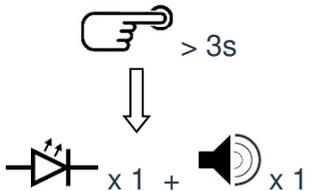
SINGLE REMOTE CONTROL ERASURE		
Phase	Description	Example
1	Press and hold the programming button of the MINI-RX until the LED on the receiver performs a blink and the buzzer performs an acoustic warning.	 ↓ 
2	After about 1 second by the release of the button, the LED on the receiver emits five flashes and five acoustic warnings.	
3	Press the button of the receiver during the fifth flash/acoustic warning .	 ↓ 
4	Push the button on the remote control you want to erase.	
5	If cancellation is successful the receiver will emit 5 short flashes and 5 acoustic warnings. The remote controls memory erasure does not reset the outputs settings.	
6	To erase another transmitter, repeat step 4	
7	To complete the procedure to wait for the 10 seconds time-out	
8	End	

MODE SELECTION: (Caution! Remotes in memory will be deleted)		
Phase	Description	Example
1	<p>Press and hold the programming button of the MINI-RX until the LED on the receiver performs a blink and the buzzer performs an acoustic warning.</p> <p>Hold down the programming button of the MINI-RX for more than 3 seconds. The LED on the receiver will perform another blink and the buzzer another acoustic warning.</p>	
2	<p>Press the programming button a number of times equal to the mode you want to program:</p> <p>1 pressure -> Light Control Mode 2 pressure -> Motor Control Modes 3 pressures -> roll back to Light Control Mode</p> <p>The system will notify the user the selection just made through the LED, with a number of blink (fast) and acoustic warnings equal to the selected function, repeated every 2 seconds</p>	
3	<p>To end the selection, press and hold the programming button.</p> <p>The LED on the receiver performs a blink and the buzzer performs an acoustic warning.</p>	
4	End	

OUTPUT 1 PROGRAMMING (LIGHT CONTROL MODE ONLY):		
Phase	Description	Example
1	Press shortly 3 times the programming button of the MINI-RX. The LED on the receiver will blink 3 TIMES and the buzzer performs 3 beeps every 2 seconds.	
2	Hold down the programming button of the MINI-RX for more than 3 seconds. The LED on the receiver will perform another blink and the buzzer another acoustic warning.	
3	Press the programming button a number of times equal to the mode you want to program: 1 pressure -> Monostable 2 pressures -> Bistable 3 pressures -> Timed 4 pressures -> Roll back to Monostable The system will notify the user the selection just made through the LED, with a number of blink (fast) and acoustic warnings equal to the selected function, repeated every 2 seconds	
4	To store the selected mode, press and hold the programming button of the MINI-RX for more than 3 seconds. The LED on the receiver will perform another blink and the buzzer another acoustic warning.	
5	End	

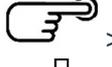
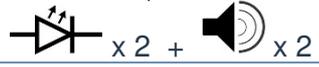
OUTPUT 2 PROGRAMMING (LIGHT CONTROL MODE ONLY):		
Phase	Description	Example
1	Press shortly 4 times the programming button of the MINI-RX. The LED on the receiver will blink 4 times and the buzzer performs 4 beeps every 2 seconds.	
2	Hold down the programming button of the MINI-RX. The LED on the receiver will perform another blink and the buzzer another acoustic warning.	
3	<p>Press the programming button a number of times equal to the mode you want to program:</p> <p>1 pressure -> Monostable 2 pressures -> Bistable 3 pressures -> Timed 4 pressures -> Roll back to Monostable</p> <p>The system will notify the user the selection just made through the LED, with a number of blink (fast) and acoustic warnings equal to the selected function, repeated every 2 seconds.</p>	
4	To store the selected mode, press and hold the programming button of the MINI-RX for more than 3 seconds. The LED on the receiver will perform another blink and the buzzer another acoustic warning.	
5	End	

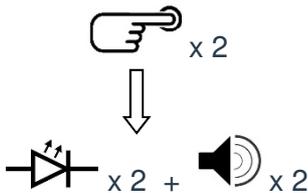
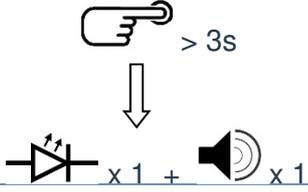
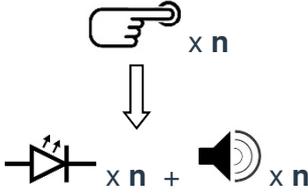
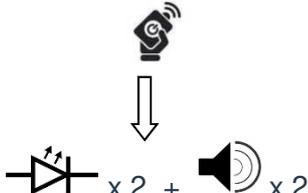
TIMEOUT PROGRAMMING:		
Phase	Description	Example
1	Press shortly the programming button of the MINI-RX. The LED on the receiver will blink and the buzzer will perform one beep every 2 seconds.	
2	Hold down the programming button of the MINI-RX for more than 3 seconds. The LED on the receiver will perform another blink and the buzzer another acoustic warning.	
3	<p>For the "Motor Control" mode go to step 5.</p> <p>Press the programming button a number of times equal to the hours of activation you want to program:</p> <p>1 pressure -> 0 Hour 2 pressures -> 1 Hours ... 10 pressures -> 9 Hours</p> <p>The receiver will blink 2 times and the buzzer will perform 2 beeps at each button pressure.</p>	
4	Confirm the hours of operation by holding down the button programming of the MINI-RX for more than 3 seconds. The receiver will perform a blink and an acoustic warning (long).	
5	<p>Press the programming button a number of times equal to the minutes of activation you want to program::</p> <p>1 pressure -> 0 minute 2 pressures -> 1 minutes ... 60 pressures -> 59 minutes</p> <p>The receiver will blink 3 times and the buzzer will perform 3 beeps at each button pressure.</p>	
6	Confirm the minutes of operation by holding down the button programming of the MINI-RX for more than 3 seconds. The receiver will perform a blink and an acoustic warning (long).	

TIMEOUT PROGRAMMING:		
Phase	Description	Example
7	<p>Press the programming button a number of times equal to the seconds of activation you want to program:</p> <p>1 pressure -> 1 second 2 pressures -> 2 seconds ...</p> <p>59 pressures -> 59 seconds</p> <p>The receiver will blink 4 times and the buzzer will perform 4 beeps at each button pressure. (NOTE: If you try to set a time of 0 seconds, the MINI RX will set a default time of 60 seconds in the Light Control mode and 240 seconds in the Motor Control Mode).</p>	
8	<p>Confirm the seconds of operation by holding down the button programming of the MINI-RX for more than 3 seconds. The receiver will perform a blink and an acoustic warning (long).</p> <p>If timeout settings are not confirmed, the previously stored timeout is maintained.</p>	
9	End	

4. RADIO PROCEDURES:

LEARNING THE FIRST REMOTE CONTROL OR ADDITIONAL REMOTES IN LIGHT CONTROL MODE:

Phase	Description	Example
1	Press 2 times shortly the programming button of the MINI-RX. The LED on the receiver will perform 2 blinks and the buzzer will perform two beep every 2 seconds.	 x 2 ↓ 
2	Hold down the programming button of the MINI-RX for more than 3 seconds. The LED on the receiver will perform another blink and the buzzer another acoustic warning.	 > 3s ↓ 
3	Press the programming button a number of times equal to the output you want to program: 1 pressure -> output 1 2 pressures -> output 2 3 pressures -> roll back to output 1 The system will notify the user the selection just made with a number of LED blinks (fast), and acoustic warnings equal to the selected output, repeated every 2 seconds.	 x n ↓ 
4	Press the button on the remote that you want to store. After saving, the receiver will perform two long blinks of the LED and 2 long beeps of the buzzer.	 ↓ 
5	To learn another remote control (or another button), repeat step 3.	
6	To complete the learning of a remote control, wait for the programming timeout that will be indicated by a long beep and a long blink of the LED.	
Note	If the memory is full, the receiver will perform 10 blinks and 10 acoustic warnings.	
7	End	

LEARNING THE FIRST REMOTE CONTROL OR ADDITIONAL REMOTES IN MOTOR CONTROL MODE:		
Phase	Description	Example
1	Press 2 times shortly the programming button of the MINI-RX. The LED on the receiver will perform 2 blinks and the buzzer will perform two beep every 2 seconds.	
2	Hold down the programming button of the MINI-RX for more than 3 seconds. The LED on the receiver will perform another blink and the buzzer another acoustic warning.	
3	<p>Press the programming button a number of times equal to the output you want to program:</p> <p>1 pressure -> mode 2.1 - Stepped 2 pressures -> mode 2.2 - Ascent/stop 3 pressures -> mode 2.3 - Descent/ stop 4 pressures -> mode 2.4 – Deadman stepped 5 pressures -> mode 2.5 – Deadman Ascent 6 pressures -> mode 2.6 – Deadman descent 7 pressures -> mode 2.7 - Stop 8 pressures -> mode 2.8 - Ascent 9 pressures -> mode 2.9 - Descent 10 pressures -> roll back mode 2.1</p> <p>The system will notify the user the selection just made with a number of LED blinks (fast), and acoustic warnings equal to the selected output, repeated every 2 seconds.</p>	
4	Press the button on the remote that you want to store. After saving the receiver will perform two long blinks of the LED and 2 long beeps of the buzzer.	
5	To learn another remote control (or another button), repeat step 3.	
6	To complete the learning of a remote control, wait for the programming timeout that will be indicated by a long beep and a long blink of the LED.	
Nota	If the memory is full, the receiver will perform 10 blinks and 10 acoustic warnings.	
7	End	

Notes:

- Maximum timeout in Motor mode: 6 minutes and 59 seconds
- Default timeout in Motor mode: 4 minutes

MIPOT S.P.A.

Via Corona, n.5

(Zona Ind.)

34071 Cormons (GO)

Italy

Tel. +39 0481 630200 ra.

Fax +39 0481 62387

mipot@mipot.com

DECLARATION OF CONFORMITY:

We, MIPOT S.p.a.
Via Corona, 5
34071 - Cormons (GO) - Italy

declare that the product **33000145MIP, 2-CHANNEL RECEIVER** complies with the essential requirements and other relevant provisions of Directives:

- 2014/53/EU (RED Directive)
- Directive 2011/65/EU (RoHS)

The declaration of conformity can be downloaded at <http://www.mipot.com/en/rf-wireless-products/2-channels-wireless-switch-control-rx-33000145mip/>.

REVISION HISTORY

Revision	Date	Description
3.0	27-08-2019	Final release

MIPOT S.P.A.

Via Corona, n.5
 (Zona Ind.)
 34071 Cormons (GO)
 Italy

Tel. +39 0481 630200 ra.
 Fax +39 0481 62387
 mipot@mipot.com