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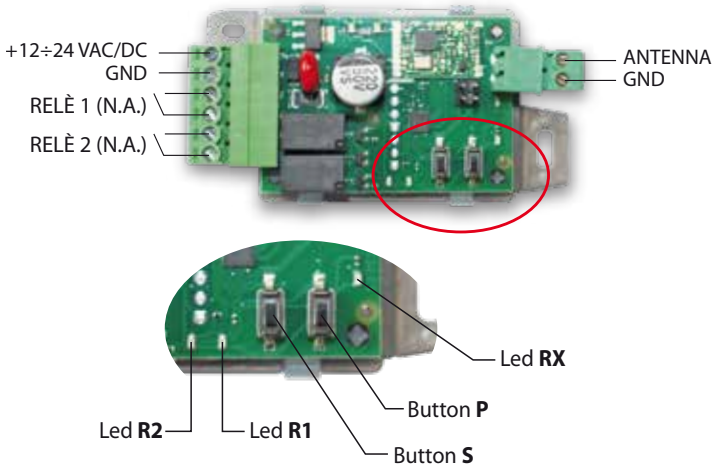
"Universal" multifrequency self-learning receiver

COPY-MULTI

cod.
APE-152/4035



User manual - installation and operation manual

issue 5/2024

1 - MAIN FEATURES

- Multi-frequency universal bi-channel receiver
- Power supply: 12/24 Vac/Vdc selectable with a jumper
- Contact relay 1A 230Vac / 1A 24Vdc
- Operating temperature: -20°C, +60°C

2 - TRANSMITTER STORAGE (FIXED AND ROLLING CODES)

First of all, check that your transmitter is on the compatibility list on the back of this paper. The first time the receiver is powered, every LED is switched off. The storing procedure allows to associate a remote control with the receiver output.
To proceed with storage, press button **P**: the LED corresponding to relay **1** starts blinking. In order to select relay **2**, press button **P** again. Once you selected the desired output, press and hold down the button of the receiver that you want to pair until the three LEDs of the receiver (**R1-R2-RX**) remain switched on. Probably it will take a few seconds for the receiver to decode the new code.

3 - PROCEDURE D'ENREGISTREMENT HCS

If during the storage of the transmitter the LED of the chosen relay flashes twice, you need to send an additional radio code (SEED) via the transmitter. Some remote controls send this cose via a hidden button or a combination of buttons.
Repeat the sequence in point 2: once you selected the desired output, press and hold down the button of the receiver that you want to pair. When the LED of the relay of the receiver remains on, release the button of the transmitter and send the SEED code.
If the storage was successful, all the LEDs (R1-R2-RX) would turn on.
Example: for FAAC/GENIUS remote controls, once that the LED of the relay of the receiver remains on, release the button of the transmitter, enter the programming phase and press button 1 and 2 (the blue LED of the transmitter will flash); now, press and hold down the button that you want to store.

4 - REMOVE A STORED TRANSMITTER

To remove a stored transmitter, press button **P**, the LED of the relay lights up and flashes. Now, press button **S**: all the three LEDs of the receiver (R1-R1-RX) are on. Press the button corresponding to the transmitter you want to remove and keep it pressed until all the LEDs turn off. It may happen that the RX LED keeps flashing due to some picked up signals: it doesn't cause any problem to the procedure. The transmitter has been successfully cancelled. Repeat the sequence for every transmitter that must be removed.
Attention: it is not possible to delete the single HCS transmitter with SEED code (FAAC, GENIUS, etc…) yet.

5 - RELAY SETUP

The outputs of the receiver can be programmed to work in four different modes: bistable, impulsive, timer (seconds), timer (minutes). You can select and set up these modes in every moment.
NOTE: by pressing button **S** you select the relay you want to set up, while button **P** does not change any parameter.
In order to set up the relay, press button **S**. The LED corresponding to relay **1** will flash. To select relay **2** press button **S** again. The default setup for every output in the receiver is "impulsive" mode. To change the mode of the selected relay, press button **P**: the LED of the relay will flash depending on the chosen mode *(see table)*; each time you press button **P**, the output setup changes - stepping from one mode to the other, cyclically. Once the output mode is selected, wait for the LED to stop flashing. The number of flashes indicates the chosen mode of the selected output:

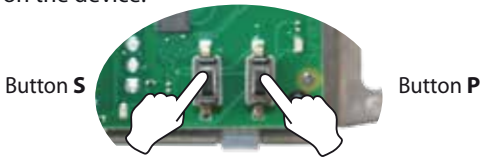
1 Flash	☼	BISTABLE
2 Flashes	☼☼	IMPULSIVE
3 Flashes	☼☼☼	TIMER-SECONDS
4 Flashes	☼☼☼☼	TIMER-MINUTES

6 - TIMER SETUP

Once in the timer mode (both seconds and minutes) press button **S** for about 2 seconds until the LED flashes regularly (one flash per second). Keep pressing button **S** and count the number of flashes of the LED you want to setup in 'timer' mode (seconds or minutes). For example: count to 5 flashes of the LED in order to set 5 seconds/minutes in the mode you previously chose. Once you reach the desired number of flashes, release button **S**.

7 - RESET THE RECEIVER

Press button **P** and **S** for 10 seconds: wait until all the LEDs flash quickly, then release the buttons. Attention: if you find it difficult to press the two buttons simultaneously, take the plastic cover off and press the two buttons directly on the device.



8 - ERROR MESSAGE

It is possible to recognise an error message because LED **R1** and **R2** remain on, fixed or flashing, according to the following table:

R1	R2	RX	Description
☼	Flash	☼	Code not found
Flash	☼	☼	Code memory - full
Flash	•	☼	Frequency memory - full

Code not found: you are trying to remove a transmitter, but it has not been stored in the receiver or it has not been correctly recognised. Restart and try to follow the procedure again from the beginning.

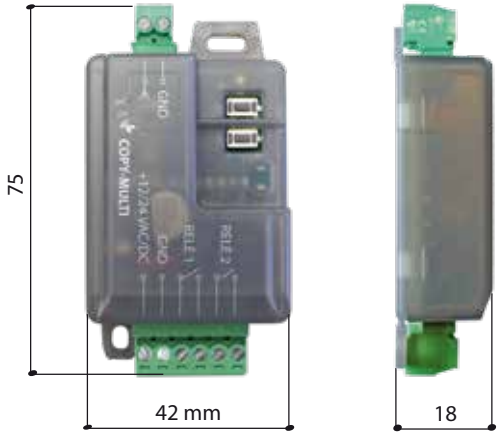
Code memory - full: the memory of the receiver is full while you are trying to store another transmitter. Remove a transmitter that is not being used and try again.

Frequency memory - full: you are trying to store a transmitter with a different frequency from the ones that have been previously stored. The receiver has a limited frequency memory, but it will be possible to store other transmitters with the same frequency as the ones previously stored.

COMPATIBILITY TABLE

BRAND	MODEL
ACM	TX2, TX2 COLOR, TX4
ADYX	TE4433H BLUE, 433-HG BRAVO
AERF	COMPACT, HY-DOM, MERCURI B, MERCURI C, SABUTON, MARS, SATURN, ST3/N, TERRA, TMP-1, TMP-2, UNITECH
ALLMATIC	BROWN, BROWN RED, BRO.OVER, PASS, MINIPASS, TECH3
APERTO (Sommer)	4020-TX03-434, TX02-434-2, TX02868-2
APRIMATIC	TR, TM4
ATA	PTX4 BLU, PTX4 PINK
AVIDSEN	104251, 104250, 104250 OLD, 104250 RED, 104257, 104350, 654250
BALLAN	FM400, FM400E
BENINCA	TO. GO. WV, TWV, IO, ROLLKEY, APPLE, LOT WCV, CUPIDO, TO.GO. QV
BFT	MITTO M, MITTO RCB, MITTO A, TRC, GHIBLI, MURALE, KLEIO
CARDIN	TRQ S449, TRQ S449 GREEN (PRECODE), TXQ S449, TXQ S449 GREEN, TRQ S486, TXQ S486, S437 TX, XRADO
CASALI	JA33 AMIGO, GENIUS/CASALI A252(4)RC
CASIT	BE HAPPY S, BE HAPPY S AZUL, MPSTFRC, MTE, VTM
CHAMBERLAIN/ LIFT MASTER/ MOTOR LIFT	953ESTD, 371 LM, 971 LM, 84330E, 94334CE, 94333E/94334E/94335E, 9747E/, 1A5639-7, 1A5477, 1A6487, 132B2372, 94330EM-L/94333EML/94335EML, 84330EM-L/84333EML/84335EML, 8747EML
CLEMSA	MUTANCODE 1-433/2-433/T81/ T82/T84, E-CODE N, MASTERCODE MV
DASPI	ZERO RC
DEA SYSTEM	PUNTO 278, GOLDR, GENIE R 273, GENIE R-GT2(4N), MIO TR
DITEC	BIXLP, GOL4, BIXLG
DOORHAN	TRANSMITTER 2/4, RSC, RSE, RSZ
ERREKA	IRIS, ROLLER 2, ROLLER 2 868, ROLLER 4 868, SOL433, SOL868, SOL2R, VEGA 433, VEGA 868
FAAC	TML433SLH, DL868SLH, XT868SLH, XT433SLH, T868SLH, XT433RC, TE433HG, T433SLH
FADINI	JUBI-SMALL, JUBI 433, GITR-3, GIT, GICT390, GIFT390-1, G3T-BX, G1T-BX, GM3T, GICTD, GIFTD
GENIUS	AMIGOLD, AMIGO, KILO, BRAVO, ECHO
GIBIDI	AU1600, AU1600 WOOD, AU1680, AU1680 WOOD, DOMINO
JCM	GO, GO PORTIS, GO NORTON, NEO, TWIN
KEY	900TXB-42R, TXB 44R, SUB 44R
KING GATES	CLIPPER, STYLO

BRAND	MODEL
KLING	KUA2/4, KUA 4E, KUA4S
LABEL	SPYCO
LIFE	FIDO 2/4
LINEAR	MCT-11 1, MCT-11 3, ACT-21, ACT-22, STING RAY ACT-31, STING RAY ACT-34B
MERLIN 2.0	E945M, E943M, E940M
MERLIN/PROLIFT	C945, C940, C943, M842, M844
BRAND	MODEL
MILENY	MILENY 1/2/3/4
MHOUSE	TX3, TX4, MOOVO, GTX4
NEO	NORTON, ROPER
NICE	SMILO, FLO-R, VERY-VR, ERA-FLOR, ONE, ERA ONE, INTI, ERGO, ON2/4/9E, ON 868 2/4, ON 24E 868 FM, PLANO
NOVOFERM	MCHS, MINI-NOVOTRON 504, MICRO-NOVOTRON 502, MICRO-NOVOTRON 504, MICRO-NOVOTRON 31, MICRO-NOVOTRON 51, MINI-NOVOTRON 30, MINI-NOVOTRON 50, MNHS, NOVOTRON, MINI-NOVOTRON 502
O&O	TX, ELIOT, T.COM R4-2, T.COM R8-2, TWIN, TX2/4 (NEO)
PECCININ	TX MENBRANA, TX EVO, TX 3C, TX INTI, TX UNO, TX DUE
PRASTEL	MTE, MPSTLE, MPSTP2E, TCE, BFOR, TRQ-P
PUJOL	TWIN, VARIO, VARIO MARS, VARIO OCEAN, NEO, MERCURIO, WHITE, BLACK, ROJO MARTE
RIB	LITHIO, SUN
SEA	HEAD 433/868, SMART DUAL ROLL 868, 868-SMART-3, COCCINELLA ROLL
SEAV	BE HAPPY RS, BE GOOD, BE SMART
SILVELOX	Mhz 2007, Mhz 07 RC, QUARZ SAW
SIMINOR	CVXNL, MITTO, SIM433, S433-4T, 433-NLT42, 433-NLT4
SOMFY	K-EASY, K-EASY NEW, K-EASY OLD, MITTO, KEY GO RTS, TELIS RTS, KEYTIS RTS, KEYTIS RTS NS, ALARMA
SOMMER	4010, 4020, 4026, 4025 433, 4025 868, 4046(8)V000
STAGNOLI	KALLISTO AK441, VENUS AV223
TAU	250K-SLIMRP, 250K-SLIMR, 250T-4RP
TELCOMA	FM400E, FM400
TORREC	433M, 315M
V2	TSC, TXC, TRC, HANDY, PHOENIX 433/868, PHOX 433/868
VDS	ECO-R, TRQ P



ATTENTION
to the current and do not connect the antenna sleeve pole

If an antenna is connected to the grounded sleeve pole, make sure one of the poles is not grounded, itself. In this case, connect this pole to terminal block n.7.

If you have direct current supply, pay attention to polarity.
If the voltage exceeds 28 Vdc, add a 270 ohm 2W resistance in series with power supply.

If voltage is lower than 20 Vac/Vdc, open the box and move the supply bridge to 12V position.

If the voltage exceeds the max of 28 Vac, we recommend to add a 47 ohm 2W resistance in series.

ATTENTION
PROCEDURE FOR STORAGE OF AN HCS
for FAAC/GENIUS transmitters

Once that the LED of the relay of the receiver remains steady on:
- release the button of the transmitter
- enter the programming mode and press button 1 and 2 *(the blue LED of the transmitter will start flashing)*
- now, press and hold down the button you want to store

As required by the Directive 2012/19/CE concerning the Waste of Electronic and Electrical Equipment (WEEE) it is necessary: to not dispose of WEEE as municipal mixed waste and make a separate collection of such WEEE; contact your municipality of residence for information about the separate collection centers for WEEE. This symbol on the electronic device indicates the separate collection of electrical and electronic equipment (Ref. Directive 2012/19/CE). Appropriate separate waste collection for the subsequent start-up of the disposed appliance to environmentally compatible recycling and treatment and helps to avoid possible negative effects on the environment and on health and favors the recycling of the materials to which the product is composed.