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TIMER INSTRUCTIONS

PRODUCT DESCRIPTION

Transmitters with timer functions in the UHF bandwidth with a pll carrier frequency. Allows the possibility of programming 6 daily commands each week and the possibility of having automatic commands linked to dawn and dusk in the chosen country. They are best used for the remote activation of electrical and electronic devices controlling door, sunblind, awning and shutter openers in respect with the local standards and regulations in force. The system uses "rolling code" in order to make duplication impossible and to guarantee

maximum secrecy.

The transmitted code can either be inserted directly into the receiver or sent via radio. This second possibility allows you insert transmitters into existing installations without having to physically access the receiver

This operation can be carried out by the end user and doesn't require the presence of the installer.

PARTICULARS FUNCTION

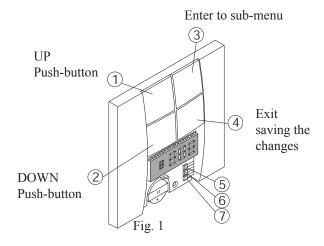
ASTRO 1: (Sunblind) When you insert this function the timer will utomatically carry out an opening and closing command every day according to the dawn and dusk times. ASTRO 2: (Light) When you insert this function the timer will utomatically carry out an opening and closing command every day according to the dusk and dawn times.

RAMDOM: This function enables a presence simulation.

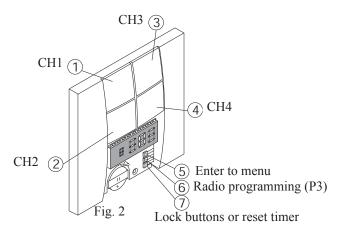
WEEK: Weekly programming allows you to send automatic radio signals. AUTO: The AUTO function is needed to enable the automatic functions.

CH: The CH function allows you to invert the radio commands ch1 with ch2 and ch3 with

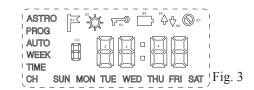
PUSH-BUTTON FUNCTION IN MENU MODE



PUSH-BUTTON FUNCTION IN TIMER MODE



Attention: If, after 60 seconds, no buttons have been pressed the device will move back to the timer mode, saving the changes.



3. Symbols LIST

S2: Lights up when the passage from summertime to wintertime is in automatic



S3: Lights up when buttons 1,2,3 and 4 are locked (see button locking function).



S5.S6: They light up individually after a radio signal is sent by buttons 1.2.3.4

S4: Lights up when the battery is about to discharge



or in pairs during the remote memorization stage by pressing button 6.



S7: Lights up when the random function is enabled or during the programming

SAFETY STANDARDS

• Do not store or activate the manual transmitter in damp, steamy, highly humid, dusty places or places exposed to direct sunlight or similar conditions. • Keep the manual transmitter in a stable condition; dropping it could cause damage or a reduction in its range of action.

INTERFERENCE

- The device is in no way protected from interference by other appliances or telecommunications installations (for example, authorised radio devices working on the same frequency wavelength).
- If you experience transmission range problems, position the manual transmitter in a different location and if necessary replace the battery.

REPLACING THE BATTERY

- 1) Open the cover.
- 2) Remove the batteries and replace them with new ones in the same way. Make sure the polarity is correct (+/-)!
- Store the batteries away from children. If batteries should be ingested call a doctor immediately.
- Incorrect battery replacement could cause irreparable damage to the appliance.
- Only use type CR 2032 to replace the batteries.
- Always wrap the batteries both when they are being stored as well as when they are being eliminated. The battery must not come into contact with other metal objects; this could discharge, burn or damage the batteries.

Do not dispense with the batteries in household rubbish bins.

EUROPEAN UNION CONFORMITY DECLARATION

Teleco Automation SRL declares that the article TVTXC868C04 satisfy all the technical regulations applicable to the product within the scope of Council Directives 2006/95/CE, 2004/108/CE and 99/5/CEE, namely:

ETSI EN 301 489-3 V1.4.1:2002

ETSI EN 301 489-1 V1.8.1:2008

EN 300 220-1 V2.1.1:2006

ETSI EN 300 220 - 2 V2.1.2:2007-06

EN 50371 (2002)

EN 60950-1:2006 EN 60950-1/A11:2009

A copy of the declaration of conformity (DoC) is available on the site: www. telecoautomation.com/ce

ELECTRICAL CHARACTERISTICS

The transmitters are encoded by the manufacturer with individual codes different from each other

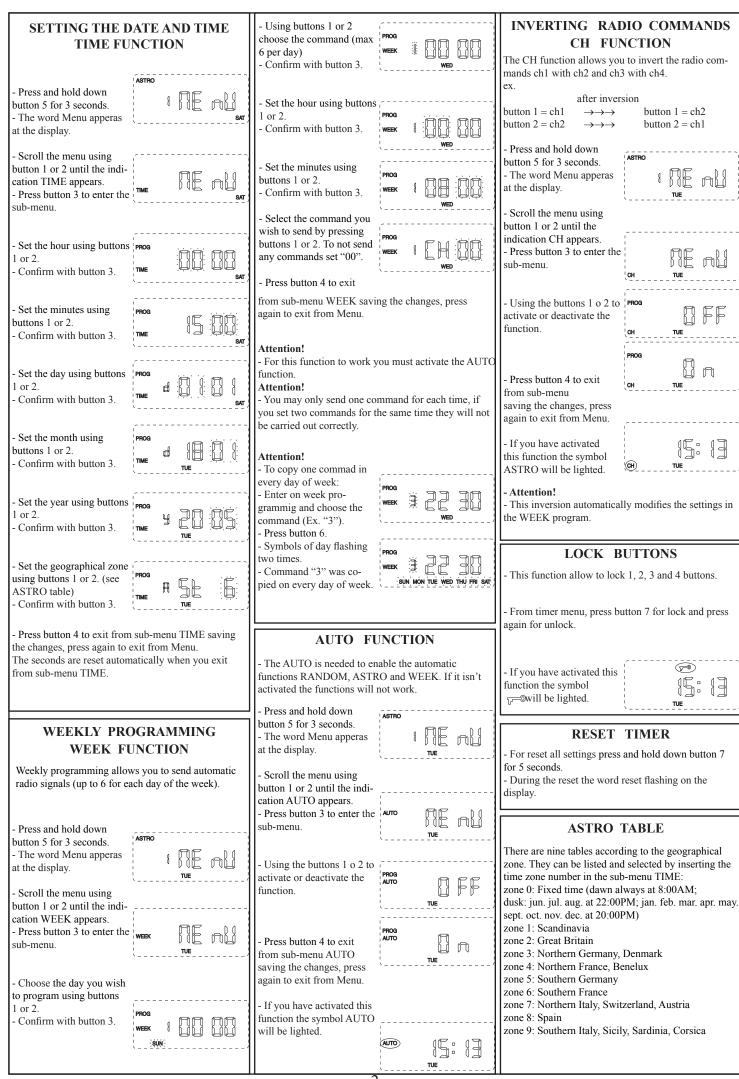
Attention!! If you keep a transmitter button pressed down for more than 30 seconds it will switch off automatically.

3V (lithium battery CR2032) Power supply

Power consumption at rest 2nA Power consumption when transmitting 8mA Carrier frequency 868.3MHz Modulation **FSK**

from 0° to 50 °C Operating temperature range

Code Number:	Series	Model number	Draft	Date
TVTXC868C04	TVLink RS868		T140.03	10-12-10



PRESENCE SIMULATION RANDOM FUNCTION

- Presence simulation. If you insert the RANDOM function the time of the programmed radio signals is varied casually in intervals of ± 15 minutes from the set time

-Press and hold down button 5 for 3 seconds

at the display.

sub-menu.



- Scroll the menu using button 1 or 2 until the indication appears.
- Press button 3 to enter the



- Using the buttons 1 o 2 to activate or deactivate the function.



- Press button 4 to exit from sub-menu saving the changes, press again to exit from Menu.

- If you have activated this

function the symbol

will be lighted.



AUTOMATIC ADJUSTMENT FOR PASSAGE FROM SUMMERTIME TO WINTERTIME

- Activating this function, the last sunday of mach and the last sunday of october, the timer adjust automatically the time.

- Press and hold down button 5 for 3 seconds. The word Menu apperas



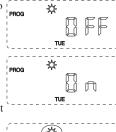
at the display. - Scroll the menu using

button 1 or 2 until the indication 💢 appears. - Press button 3 to enter the

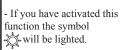
sub-menu.



- Using the buttons 1 o 2 to activate or deactivate the function.



- Press button 4 to exit from sub-menu saving the changes, press again to exit from Menu.





ASTRO 1 FUNCTION (ASTRO SUNBLIND)

When you insert this function the timer will automatically carry out an opening and closing command every day according to the dawn (opening) and dusk (closing) times in the chosen country.

If (with the ASTRO function inserted) you have programmed commands in the WEEK menu linked to channels 1 and 2 they will be automatically modified as follows:

The ch1 opening command programmed for the various days of the week is compared to the opening time in the ASTRO table and the later one is chosen. While the closing time in the ASTRO table (dusk) is always chosen for the closing command ch2. This function only works with channels 1 and 2.

Press and hold down button 5 for 3 seconds.

- The word Menu apperas at the display.

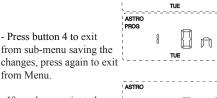
Scroll the menu using button 1 or 2 until the indication ASTRO1 appears. - Press button 3 to enter the

sub-menu.



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- Using the buttons 1 o 2 to activate or deactivate the function



- If you have activated this function the symbol ASTRO1 will be lighted.



Attention!

- For this function to work you must activate the AUTO function.

You may only active one function ASTRO at the same time, when you actived one function the other is automatically deactivated.

ASTRO 2 FUNCTION (ASTRO LIGHT)

- When you insert this function the timer will automatically carry out an opening and closing command every day according to the dusk (opening) and dawn (closing) times in the chosen country.

If (with the ASTRO function inserted) you have programmed commands in the WEEK menu linked to channels 1 and 2 they will be automatically modified

The opening time in the ASTRO table (dusk) is always chosen for the opening command ch1.

While the ch2 closing command programmed for the various days of the week is compared to the closing time in the ASTRO table (dawn) and the first after the dusk is chosen.

This function only works with channels 1 and 2.

- Press and hold down button 5 for 3 seconds.

- The word Menu apperas at the display.

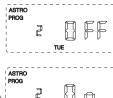


- Scroll the menu using button 1 or 2 until the indication ASTRO2 appears.

- Press button 3 to enter the sub-menu.



- Using the buttons 1 o 2 to activate or deactivate the function.



- Press button 4 to exit from sub-menu saving the changes, press again to exit from Menu.

15:	13

this function the symbol ASTRO2 will be lighted.

- If you have activated

Attention!

- For this function to work you must activate the AUTO function

Attention!

- You may only active one function ASTRO at the same time, when you actived one function the other is automatically deactivated.

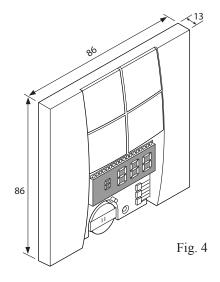
Attention: Because of the variation of the dusk time in the space of a year, it could be possible that the closing time (programmed on WEEK) would be lower than the activation time given from the dusk. In this case the closing time will be changed automatically after the dusk time. To calculate the new time of deactivation you have to add to the dusk time the difference between the summer dusk and the winter dusk. Time deactivation =

 $\mathrm{Time}_{\mathrm{today\;dusk}} + (\ \mathrm{Time}_{\mathrm{summer\;dusk}} - \mathrm{Time}_{\mathrm{winter\;dusk}})$

-ASTRO function examples

TIME	WEEK (set command)	ASTRO	FUNCTION CARRIED OUT
1) 6:00 6:31	ch1	DAWN ch1	none none (Opening will occur at a later time)
2) 10:00	ch1		ch1 (there are no later times so ch1 is sent)
3) 14:00	ch2		none (closing occurs at dusk)
4) 17:00	ch3		ch3 (ASTRO does not effect ch3)
5) 18:00	ch4		ch4 (ASTRO does not effect ch4)
19:15		DUSK ch2 ch2 (cl	losing)
6) 20:00 ch2			none (already closed at dusk)

DIMENSIONS



ASSEMBLING

