

TC550

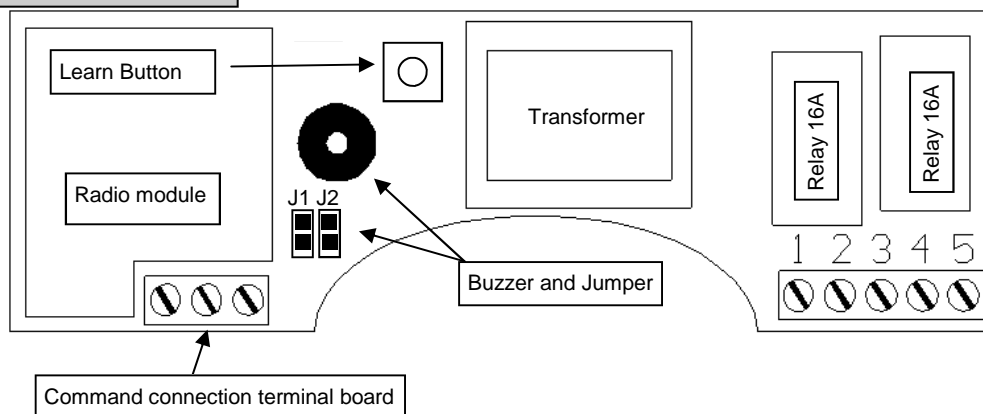
Control unit for awnings and roller shutters

ATTENTION: DO NOT INSTALL THE CONTROL UNIT BEFORE READING THE INSTRUCTIONS!

1. Introduction

The TC550 control unit is suitable to operate with roller shutters and awnings. This device houses a **narrow band** radio receiver for remote controlling through transmitters like SLIMxx, TCxx, MPSTP2E, MPSTF3E, MPSTL4E. In order to simplify the installation, the power supply is 230Vac and, by means of three cables, it is possible to connect motors with power up to 750W with internal limit switches. The maximum opening time is 7 minutes. It is possible to connect to TC550 control unit two buttons for opening and closing functions.

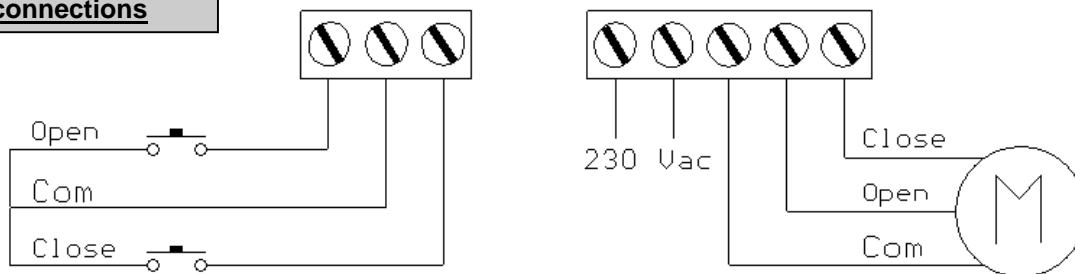
2. Configuration



COMPATIBLE TRANSMITTERS:

SLIMxx
TCxx
MPSTP2E
MPSTF3E
MPSTL4E

3. Electrical connections



4. Learning operations

2 buttons transmitters:

The first button memorized is for OPENING
The second button memorized is for CLOSE

Press the Learn Button and then release it

Press the transmitter button

⇒ The button is memorized as OPENING

Press the Learn Button and then release it

Press the transmitter button

⇒ The button is memorized as CLOSE

If you have a 3-button transmitter:

Press the Learn Button and then release it

Press the transmitter button

⇒ The button is memorized as STOP

3 buttons transmitters:

The first button memorized is for OPENING
The second button memorized is for CLOSE
The third button memorized is for STOP

The proper memorization of the channel / button is indicated by two long beeps. If the channel / button has already been memorized before, then it will sound like a short beep. When the channel / button is memorized, the control unit will exit the learning mode. If no signal is transmitted within 20 seconds, the control unit will automatically exit the learning mode.

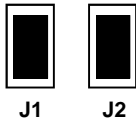
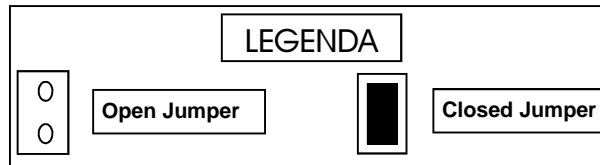
4.1 Deleting a transmitter from the memory of a control

WARNING: The only way to delete or to change the transmitter memorization sequence is to ERASE the entire central!

- 1) Turn off the power of the control unit
- 2) By holding down the Learn Button, turn on the power. The control unit emits a sequence of continuous beeps (thanks to the buzzer). When the signal is interrupted, the erasure is completed and you can release the Learn Button.

After this operation, the control unit (thanks to the buzzer) will emit a series of rapid beeps followed by slower beeps, as to signal that the memory is now empty.

5. Advanced configuration: setting of jumpers

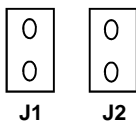


Transmitter Pushbuttons:

Pressing shortly the open / close buttons activates the opening / closing for a short movement (snap). This allows the setting of Venetian blinds. **Please note that at least 2 buttons should be memorized!** Pressing for a longer time leads to a complete opening/closing of the shutter. In order to stop the automation in the required position, press the STOP button or the button operating the movement in the opposite direction.

Wall pushbuttons connected by cable:

The operation is analogous to the one for the transmitter pushbuttons concerning the snap progress, useful for Venetian blinds. An extended pressing of the OPEN button activates the opening. A further pressing of the same button stops the opening. Pressing the CLOSE button activates the inversion of the run direction (closing). The operation is specular for the other button.

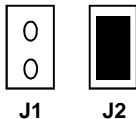


Receiving of the transmitters:

OPEN: pressing the open button the roller shutter opens completely. A second pressing of the same button does not stop the movement. In order to stop it press the STOP button or the button for the movement in the opposite direction. **Please note that at least 2 buttons should be memorized!** CLOSE: dead man operation, meaning that the roller shutter CLOSES while the button are kept pressed. By releasing them the roller shutter stops.

Wall pushbuttons connected by cable:

Operation is analogous to transmitter pushbuttons.

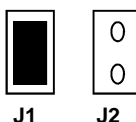


Transmitter Pushbuttons:

Pressing the open/close button the roller shutter opens or closes completely. A second pressing of the same button does not stop the movement. In order to stop it press the STOP button or the button for the movement in the opposite direction. **Please note that at least 2 buttons should be memorized!**

Wall pushbuttons connected by cable:

Operation is analogous to transmitter pushbuttons.



Transmitter Pushbuttons:

The operation is step by step with 1 button: the first pressing of the OPEN button starts the opening, the second pressing stops the roller shutter, the third closes. Please Note: In this operation mode the control unit is controlled by a single transmitter button, precisely the first memorized.

Wall pushbuttons connected by cable:

The operation is step by step with 2 buttons: the first pressing of the OPEN button starts the opening, the second pressing stops it and the third restarts it. To close, use the second button that will make the actions CLOSE / STOP / CLOSE etc...

6. Note

During the programming the receiver sensitivity is reduced (1m), to avoid that at the time of the transaction, another neighbor transmitter is also stored.

GUARANTEE - In compliance with legislation, the manufacturer's guarantee is valid from the date stamped on the product and is restricted to the repair or free replacement of the parts accepted by the manufacturer as being defective due to poor quality materials or manufacturing defects. The guarantee does not cover damage or defects caused by external agents, faulty maintenance, overloading, natural wear and tear, choice of incorrect product, assembly errors, or any other cause not imputable to the manufacturer. Products that have been misused will not be guaranteed or repaired. Printed specifications are only indicative. The manufacturer does not accept any responsibility for range reductions or malfunctions caused by environmental interference. The manufacturer's responsibility for damage caused to persons resulting from accidents of any nature caused by our defective products, are only those responsibilities that come under European law.