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WINDGROUP

Installation instructions and user guide for the WIND-G control board to control 4 motors for awnings and blinds.

REV. 0

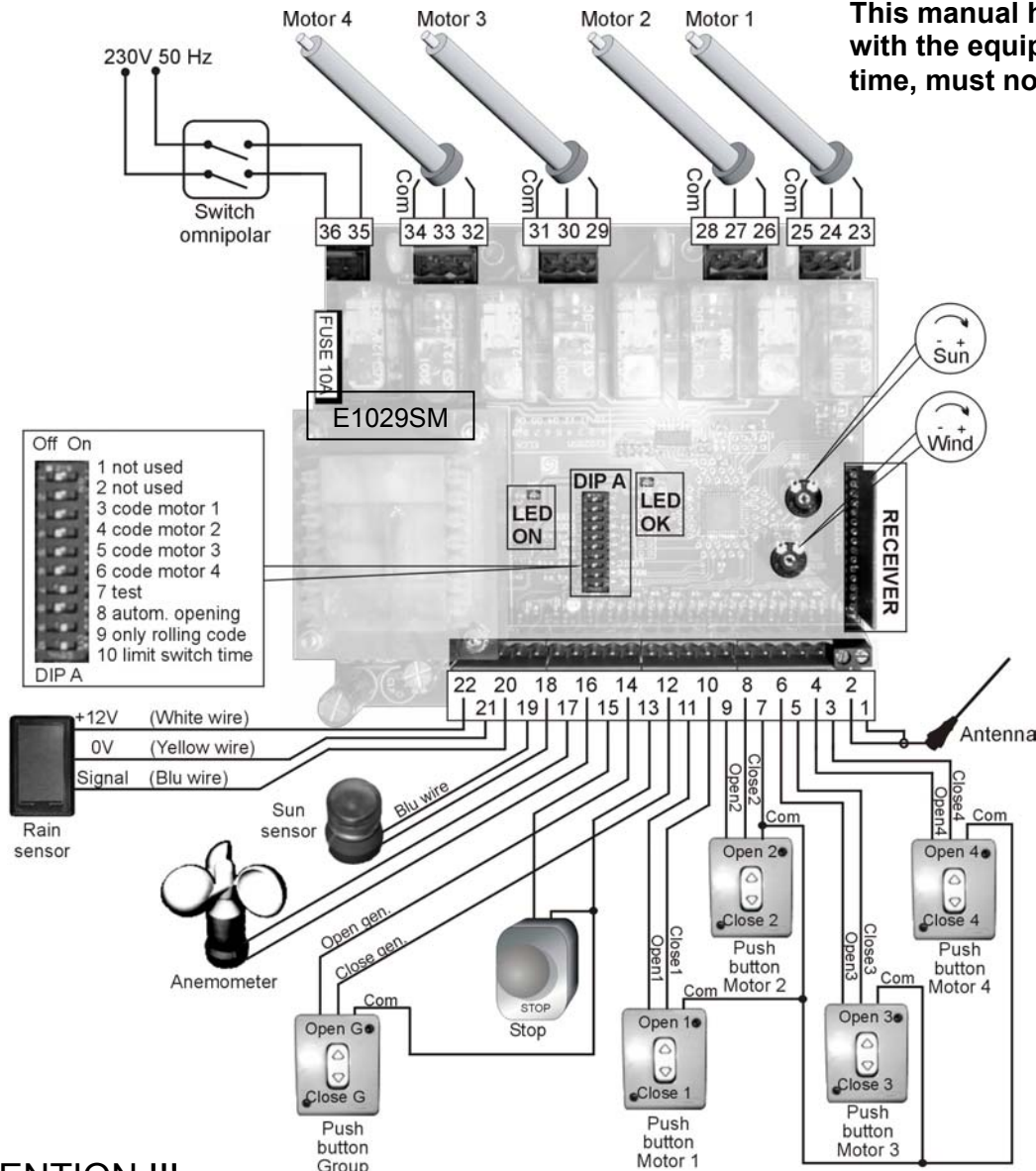


PLEASE READ THESE INSTRUCTIONS CAREFULLY BEFORE INSTALLING.

This type of work should be carried out by Qualified Personal only!!!

This manual contains very important information for the correct installation and use of this control board mod. **WINDGROUP**. The warranty of this product is only guaranteed if the following instructions are adhered to. The Manufacture company declines any responsibility, where there is seen to be bad or improper work practices. The product has been designed to the strictest 'EEC' safety Regulations : CEE73/23, CEE89/336, CEE93/68, CEE89/106, CEE89/392

This manual has to stay with the equipment at all time, must not remove!



ATTENTION !!!

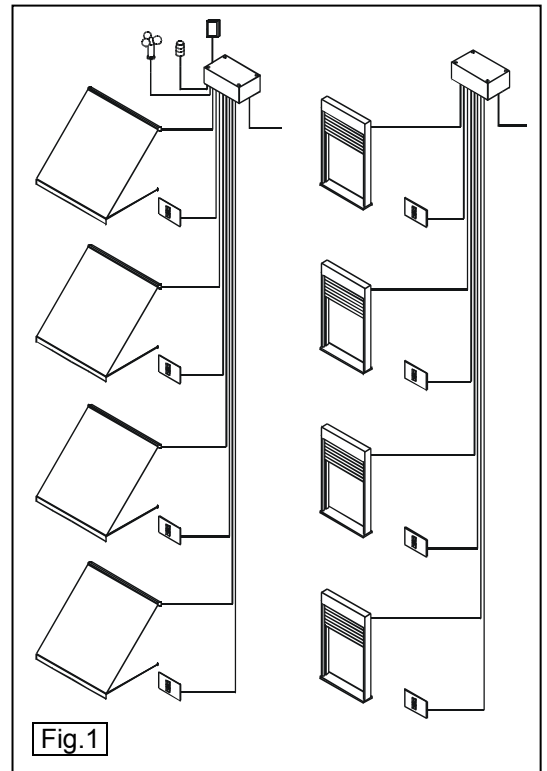
During the installation it's important to have a switch with contact opening of at least 3mm that ensures complete disconnection of the board and network. Please, ensure all motors are EARTHED in the proper manner.

Box 207 IP56 size: 190x140x70 mm

FOR SAFETY REASON A SAFETY DEVICE MUST BE USE WHEN USING THIS REMOTE CONTROL !!!

TERMINALS CONNECTION

- 1-2 ARIAL or ANTENNA (terminal n°2=signal)
- 3-7 CLOSE push button motor 4
- 4-7 OPEN push button motor 4
- 5-7 CLOSE push button motor 3
- 6-7 OPEN push button motor 3
- 8-7 CLOSE push button motor 2
- 9-7 OPEN push button motor 2
- 10-7 CLOSE push button motor 1
- 11-7 OPEN push button motor 1
- 12-13 CLOSE push button Group (the motors start with 1second delay between them)
- 14-13 OPEN push button Group (the motors start with 1second delay between them)
- 15-13 EMERGENCY stop button N.C. (if not required the link must Remain in place)
- 16-17 Anemometer (wind instrument)
- 18-19 Sun sensor (terminal n°19=blue wire)
- 20-21-22 Rain sensor (terminal n°20=signal,n°21=0V, n°22=+12V)
- 23-24-25 Motor 1 connections (n°25=common) 500W
- 26-27-28 Motor 2 connections (n°28=common) 500W
- 29-30-31 Motor 3 connections (n°31=common) 500W
- 32-33-34 Motor 4 connections (n°34=common) 500W
- 35-36 240Vac mains power



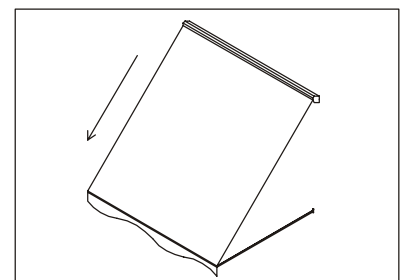
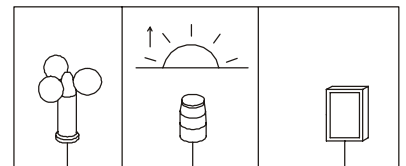
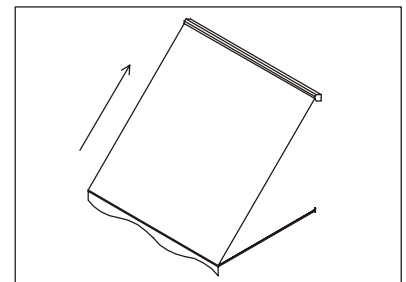
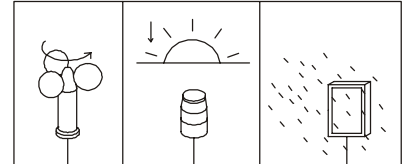
PLEASE NOTE There is NO connections for EARTH ALL motors must BE EARTHED Therefore they must be connected into a terminal block, this is not supplied.

FUNCTIONS

WIND-GROUP has a built in anemometer (protection against wind) also a sun and rain-sensors, if the board should receive 2 signals, the first signal takes priority, while the sun sensor has the same priority as the Push-Buttons.

This board has a radio receiver board it is removable so push button stations can control 1 motor or 4 motors obviously you would need 4 push button station to control 4 motors.(Fig.1).

The receiver board can memorize 121 standard codes or 41 rolling codes. It's possible with the hand set to control each motor, or all motors as a Group.



DIP SWITCHES

DIP S/W n°1-2 = not in use

DIP S/W n°3 = In the ON position accepts codes for motor n. 1

DIP S/W n°4 = In the ON position accepts codes for motor n. 2

DIP S/W n°5 = In the ON position accepts codes for motor n. 3

DIP S/W n°6 = In the ON position accepts codes for motor n. 4

DIP S/W n°7 = In the ON position reduces the waiting time after a wind alarm

from 12 minutes to 15 seconds and the sun appearing time from 2 minutes to 10 seconds and the sun disappearing time from 20 minutes to 10 sec.

(This would save valuable time if this was done during the installation set up)

DIP S/W n°8 = In ON position allows the awning to open automatically after 12 minutes after the last wind alarm

DIP S/W n°9 = In the ON position allows you to receive rolling codes only.

DIP S/W n°10 = When switched on allows a working time of 1 minute, in the OFF position the working time is 3 minutes

The manufacturer has set this board with a standard Base code, the dip S/W in hand set must be set to (n° 1,3,5,7,9 in the on position and using channel n.1). Its possible to return to the Base code by following the Reset procedure.

TO RESET!

- Set dip S/W n°3-4-5-6 to the **ON** position or main P.C.B. turn off the power for about 10 seconds, turn power back ON .
- The OK led should come ON for 5 seconds approx, When the led goes out, turn the dip switch back OFF again, you are now in the factory set up.

The board is back to basic memory, with 1,3,5,7,9 turned on in the hand set.

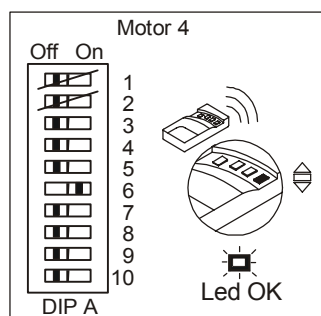
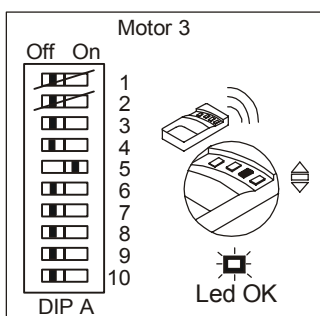
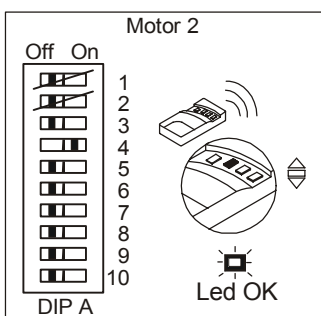
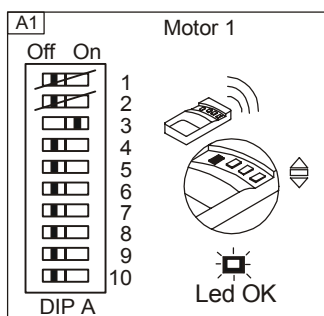
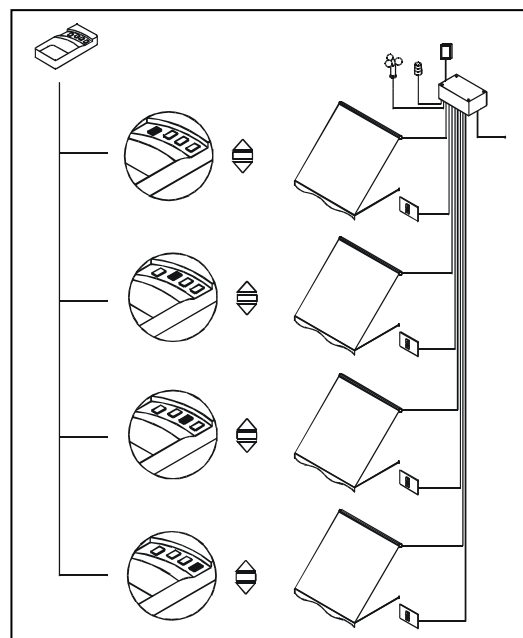
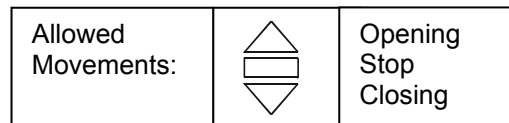
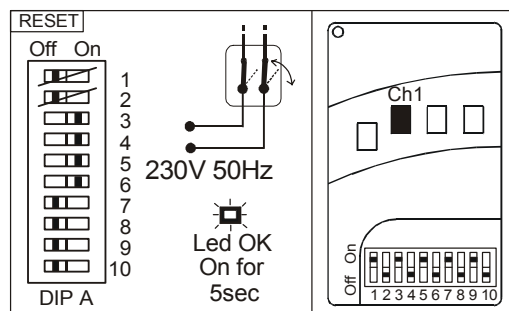
ATTENTION !!! Dip switches 3,4,5,6 should be in the OFF position during normal functions.

A –PROGRAMMING FOR Radio Control

A-1 This programme allows you to control 4 motors with 1x4 button operates one motor with OPEN/STOP/CLOSE functions.

Example for motor n. 1:

- Set dip switch n°3 to ON, on the main P.C.B.
- Send a pulse from the 4 button hand set, the OK led flashes to indicate it has accepted the code.
- Turn OFF motor n.1 is now set
- To set up motors 2-3-4 use dip s/w 4-5-6 respectfully and a different hand set button each time.

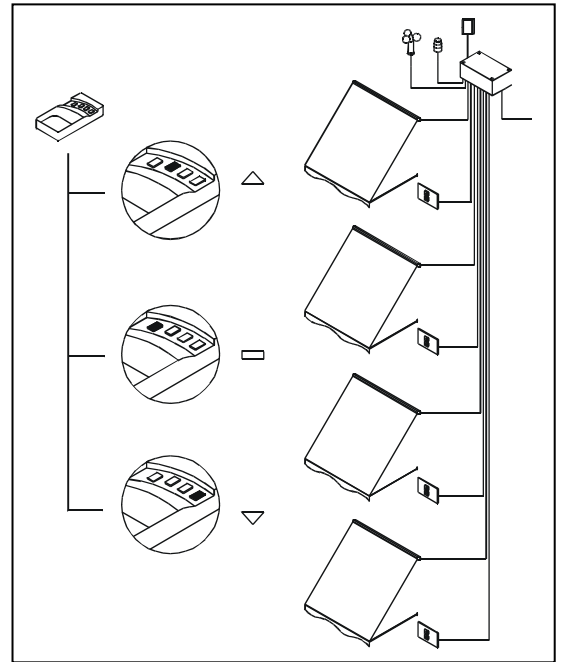


B – SPECIAL FUNCTIONS

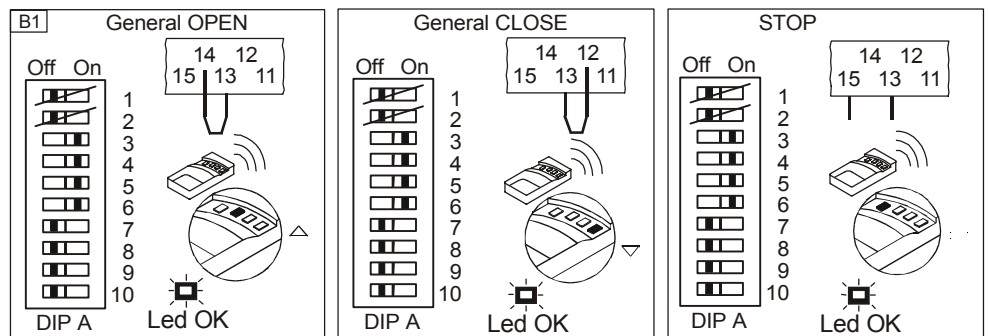
B-1 This programming allows the use of 1x4 Button hand set. Button n.2 will open all motors, button n.4 will close all and button n.1 will stop all motors.

It's possible to use only one 2 Button transmitter, but there is NO STOP.

- Set dip switches n°3-4-5-6 in the ON position on the main PCB.
- Set dip s/w 3-4-5-6 ON, on the main PCB place a link between 13-14.
- Send a code from the hand set using n.1 button, the OK led lights up for 1 second, indicating it has accepted the code.
- Remove link from 13-14.
- For the closing procedure place a link between 12-13 and using button n.2 send a signal from hand set, the OK led will light up for 1 second
- After this operation remove link and turn off switches 3-4-5-6 to INCORPORATE stop go to B3



B3



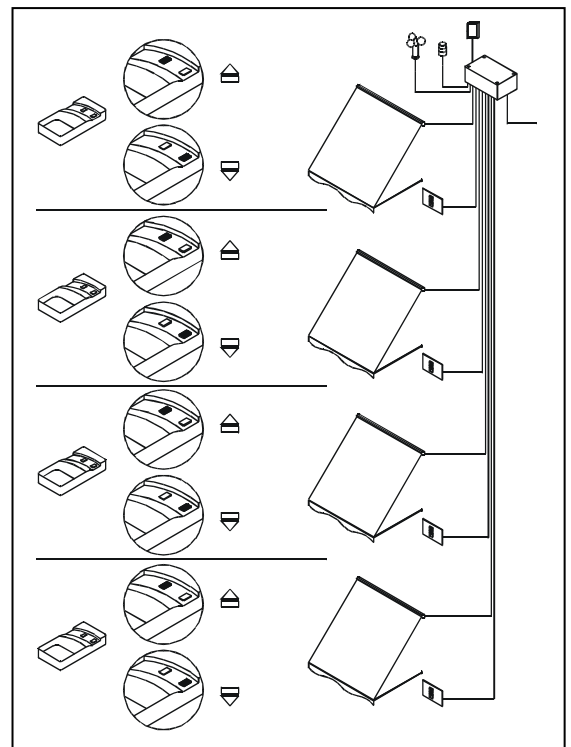
B-2 This programming lets you control each door individually using a 2 button hand set. You will need 4x2 button hand sets e.g. 1 button opens n.2 button closes.

Example for motor 1.

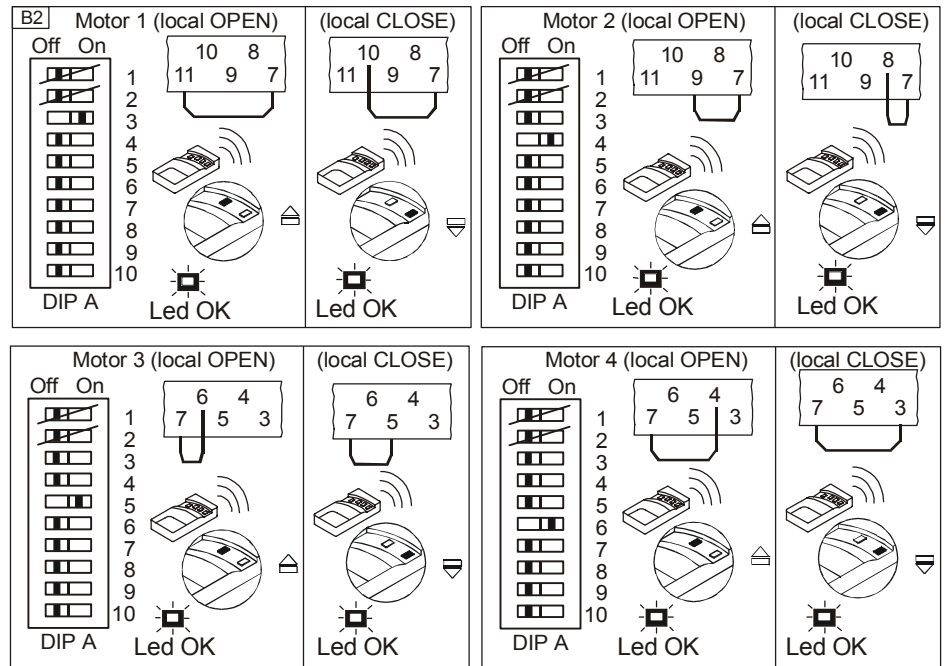
- Put a code into hand set n.1, the go to the PCB and turn on dip switch n.3
- Use a link and short out terminals 7-11.
- Send a code from Hand set left hand button, the OK led lights up for about 1 second to show the board has accepted the code
- Remove link between 7-11.
- For closing programme place link between 7-10
- Send an impulse from button n.2 with n.3 switch in on position, the led will turn on for about 1 second to show the board has accepted the code

Remove link and switch off dip switch n.3.

For the rest of the motors using dip switches 4-5-6 refer to the diagrams regarding the link settings.

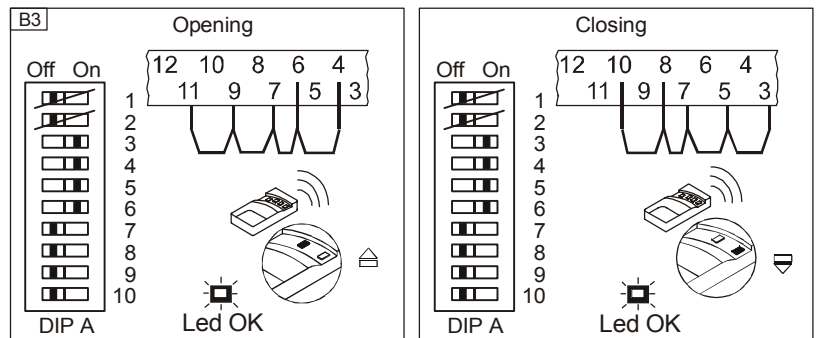
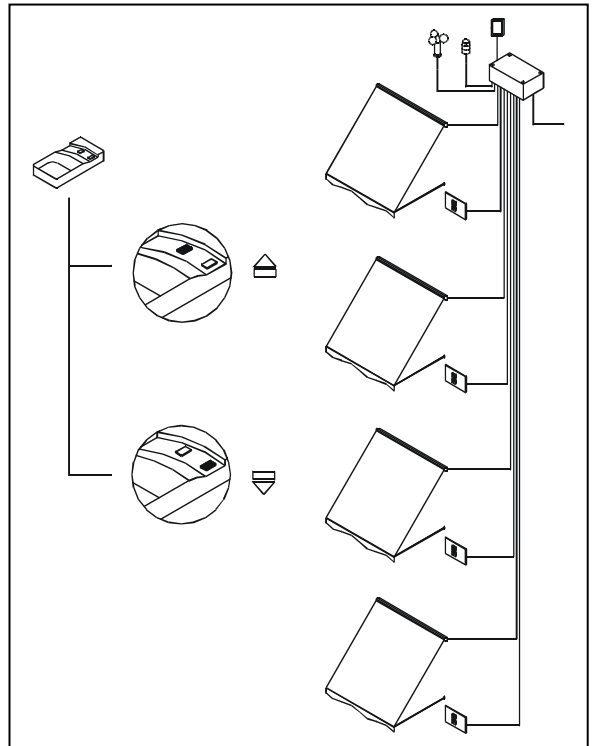


To OPEN using local command turns on the corresponding motor.
 To CLOSE using local command sends the motor down,
 If you send another signal while the doors are in the opening or closing stage, the doors will all stop and wait for next command.



B-3 This programme allows you to control all motors with 1x 2 button hand set. One button will open all the other button will close all. If you use one of the buttons during OPEN/CLOSING the doors will stop and wait for next command.

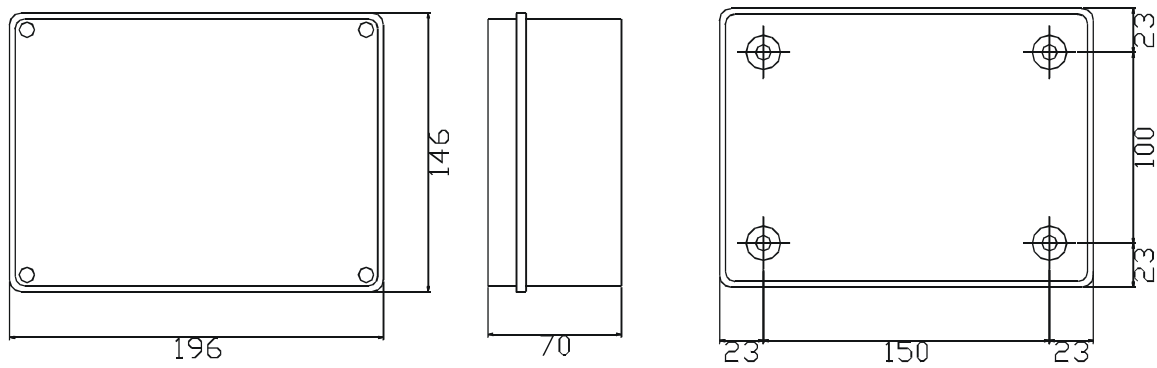
- For set up switch dip switch's 3-4-5-6 to the ON position on the main PCB.
- Put a link between 4-6-7-9-11
- Send an impulse from left hand button on hand set, the led will light up for about 1 second, indicating that the board has accepted the code.
- Remove links 4-6-7-9-11.
- Follow this procedure for closing dip switches 3-4-5-6 ON put links between 3-5-7-8-10, send a signal with the right hand button, the led will light up for 1 second to indicate the board has accepted the code.
- After this operation remove links between 3-5-7-8-10 and turn off dip s/w 3-4-5-6 . please follow diagrams as well.



ATTENTION !! Always use the opposite button to STOP I.E. Down button doors are coming down you need to stop press up button once.
 The doors will stop, and wait for next command. If once you have used the stop button and find 2 doors go up and 2 doors go down, please stop motors turn off supply for 10 seconds and turn back on again the board will reset it self.

FIXING MEASUREMENTS

Box 207 IP56 (size in mm)



WARRANTY

ELCA devices and accessories are guaranteed for a period 2 years after production, all our equipment carries a date code and revision.

ELCA will replace or repair its devices, provided they are returned to our factory, to be checked out and tested, if it proves to be a manufacture defect the broken or damaged part will be replaced.

The guarantee does not cover loss or damages, due to incorrect installations, I.E. 240V put through 24V side and damaging the device, and any other mista miner carried out by customer.

The manufacturer will only carry out repairs where a component has failed on the manufactures side.

The installer must be a qualified person and must adhere to the strictest safety guide lines laid down by the EEC. The devices and accessories remain the property of the manufacturer until all bills are paid, failing to adhere to the above mentioned invalidates any guarantee.