

Failure to comply with this Manual may result in injury or death. Keep the Manual for reference.

## 1. TECHNICAL SPECIFICATIONS



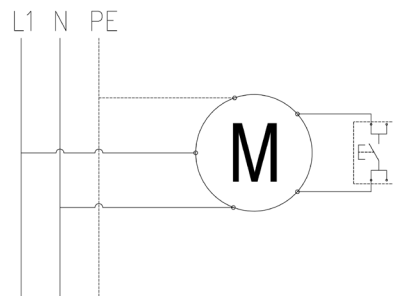
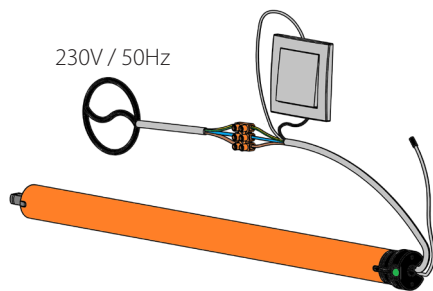
Power supply:	230 VAC / 50 Hz
Limit swiches:	Electronic
Frequency:	433,92 MHz
Radiated power:	10 mW
Operating temperature:	~ -10°C - ~ +50°C
Protection degree:	IP44
Average range:	200 meters (in open space), 35 meters (inside buildings)

Obstacle detection,  
 Bulid in radio receiver,  
 UP To 20 transmitters can be programed to one motor Each next transmitter will overwrite the first one,,  
 Possibility to control by remote control or by the two-way swich in step by step system,

Company reserves the tolerance of catalog data due the different conditions usage.  
 All DC series transmitters available in the ALUPROF offer are suitable for the radio control.

## 2. ELECTRICAL CONNECTIONS

After connecting the tubular motor to the power supply, 3 beeps will be heard immediately (3x BIP), and if is paired already with a remontcontrol it will make a short movement up and down.



### NOTE

- Installation of the motor should be carried out by authorized persons.
- The motor is designed for use in dry rooms and should not be exposed to direct weather conditions.
- The motor should be powered by a separate circuit and protected by a quick fuse for example: circuit breaker type B10

For the system to work properly:

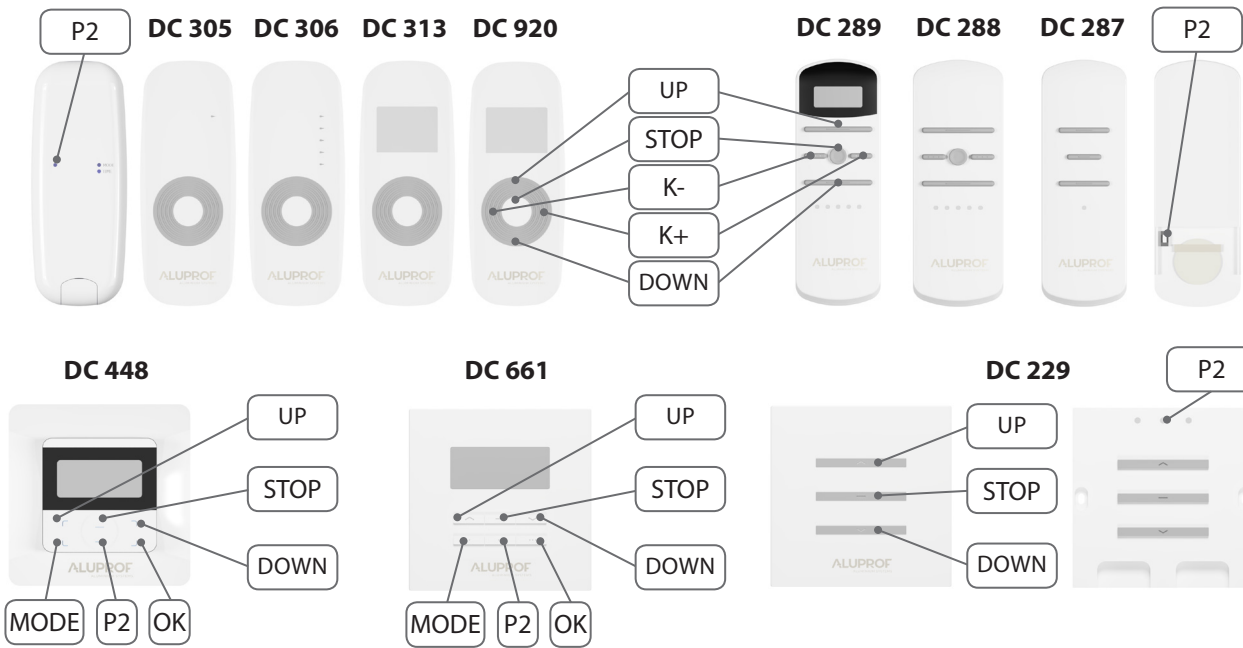
- it is recomended to use security springs WB or WL&P, W OCTOEASY
- it is recomended to use side locks or stoppers in the endslat,
- adjust the maxiumum torque of the motor (Nm) to the weight of the curtain,,
- upper and lower limit position sholud be set up



In accordance with the provisions of the Directive of the European Parliament and of the Council 2012/19 / EU of 4 July 2012 on waste electrical and electronic equipment (WEEE), it is prohibited to place of used equipment together with other wastes, marked with crossed out wheeled bin symbol. The users are obliged to transfer their used equipment to a designated collection point for proper processing. The marking means, at the same time, that the equipment was put on the market after 13 August 2005. These legal obligations have been introduced to reduce the amount of waste generated from waste electrical and electronic equipment and to ensure an appropriate level of collection, recovery and recycling. The equipment does not contain any dangerous components, which would have any particularly negative impact on the environment and human health.

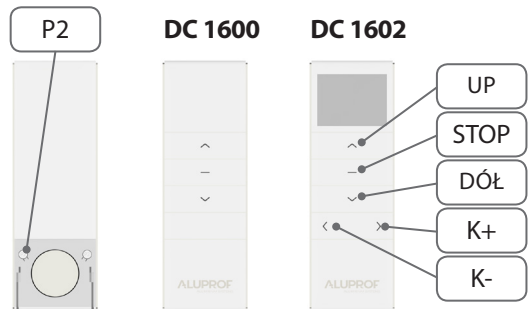


3. REMOTE CONTROLLERS

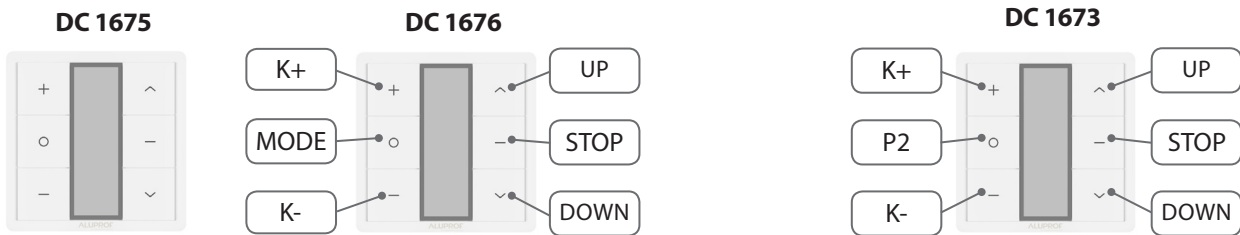


**LEGEND**

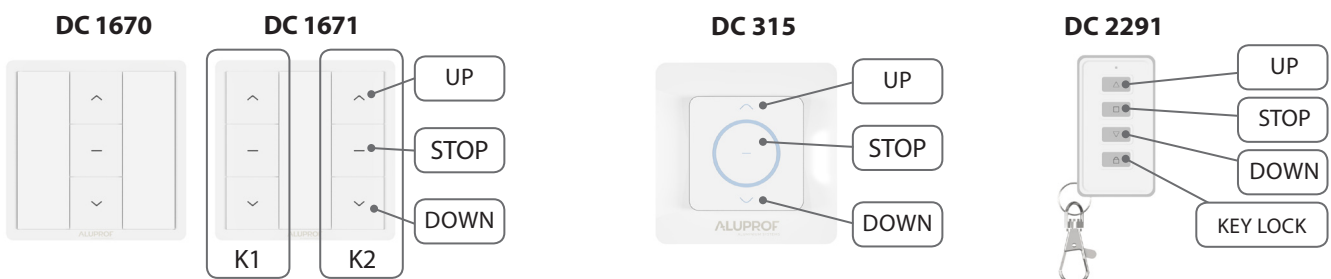
- UP** - activation of this button will move curtain up.
- DOWN** - activation of this button will move curtain down.
- P2** - activation of this button will switch to programming mode.
- K+** - activation of this button will switch to the next channel.
- K-** - activation of this button will switch to the previous channel.
- K1** - first channel buttons.
- K2** - second channel buttons.
- MODE** - button activates the settings of the clock and date.



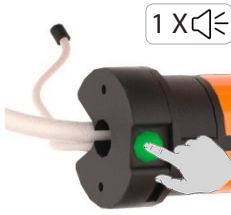
**!** Activation of the "P2" button in DC1675, DC1676 wall transmitters is performed by a combination of both keys "MODE" and "K+".



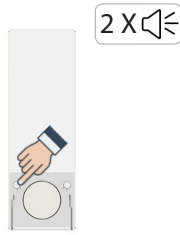
**!** Activation of the "P2" button in remote controller DC1670, DC1671, DC315, DC61 is performed by a combination of both keys "STOP" and "UP".



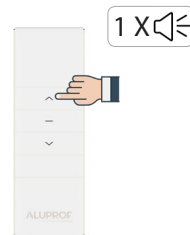
#### 4. PROGRAMMING OF THE FIRST TRANSMITTER.



Press the SET button (on tubular motor's head), beep will be heard immediately (x1 BIP)



In an interval of about two seconds, press the „P2” button twice and you will hear an acoustic signal (x2 BIP).



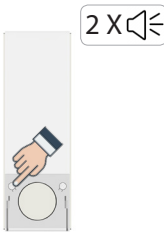
Press the „UP” button which will be confirmed with an acoustic signal (x1 BIP).

# OK

After correct programming the motor will make a move UP -DOWN.

**⚠ This function deletes from the motor memory previously saved transmitters and limit positions.**

#### 5. ADDING ANOTHER TRANSMITTER



Press the „P2” button twice of the already programmed transmitter which will be confirmed by a acoustic signal (2xBIP).



Press the „P2” button of the new transmitter.

# OK

After correct programming the motor will make a move UP -DOWN.

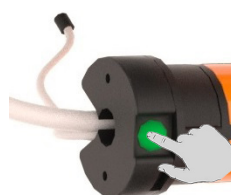
#### 6. PROGRAMMING THE DIRECTION OF MOVEMENT



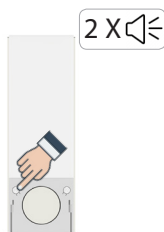
Press and hold the SET button (on tubular motor's head) for 6 seconds.

# OK

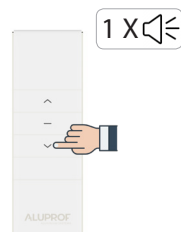
Hold the button until motor moves UP - DOWN this means that the directions of the movement have been changed.



Press the SET button (on tubular motor's head) the motor will make a move UP - DOWN



In an interval of about two seconds, press the „P2” button twice which will be confirmed by a acoustic signal (2xBIP).



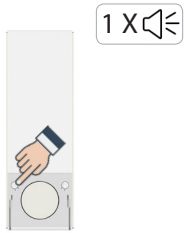
Press the „DOWN” button which will be confirmed by an acoustic signal (x1 BIP).

# OK

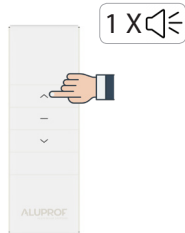
After correct programming the tubular motor will make a move DOWN AND UP AND it is ready to regular using.

## 7. PROGRAMMING THE LIMIT POSITIONS

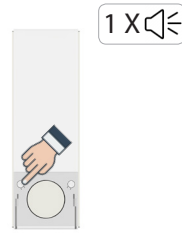
### 7.1. Manual settings of limit positions



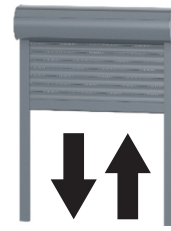
Press the „P2“ which will be confirmed by an acoustic signal (x1 BIP).



Press the „UP“ button which will be confirmed with an acoustic signal (x1 BIP).



Press the „P2“ which will be confirmed by an acoustic signal (x1 BIP).



The motor will make a move DOWN and UP

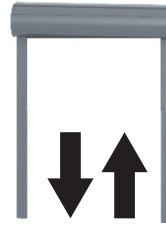
#### 7.1.1. Upper limit position



Press the „Up“ button



When the required upper position is reached press and hold “STOP” button for 6 seconds.



The motor will make a move DOWN and UP

**OK**

The upper limit position has been set. Proceed to set the lower limit position.

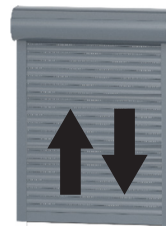
#### 7.1.2. Lower limit position



Press the „Down“ button



When the required lower position is reached press and hold “STOP” button for 6 seconds.



The motor will make a move DOWN and UP


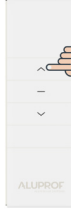

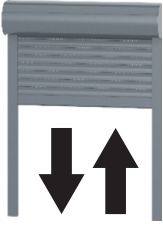




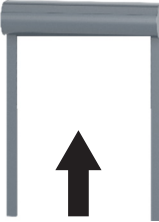
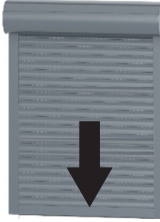
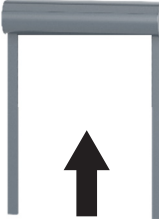
**OK**

The lower limit position has been set. Motor will automatically goes out from the set-up mode and is ready to regular using.

## 7.2. Automatic setting of limit positions

### NOTE


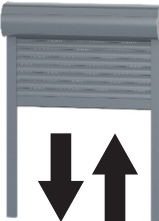
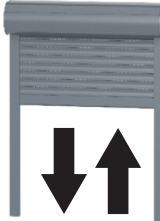
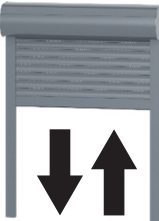
- To enable the automatic update settings of limit positions it is necessary to use security springs WB, WL&P or OCTOEASY, side lock or stoppers in the endslat.
- Option of the automatic settings of limit positions doesn't work with motor **DM45EV/Y – 40/15**

			
1 X 	1 X 	1 X 	
Press the „P2“ which will be confirmed by an acoustic signal (x1 BIP).	Press the „UP“ button which will be confirmed with an acoustic signal (x1 BIP).	Press the „P2“ which will be confirmed by an acoustic signal (x1 BIP).	The motor will make a move DOWN and UP
			
Press the „Up“ button	Curtain will reach upper limit position	Curtain will reach lower limit position	Curtain will come back to upper limit position, motor will automatically goes out from the set-up mode and is ready to regular using.

## 7.3. Automatic update of limit positions

### NOTE

- After activation of the function, motor will automatically test the limit positions every 30 days, that happens automatically without the user intervention.
- To enable the automatic update settings of limit positions it is necessary to use security springs WB, WL&P or OCTOEASY, side lock or stoppers in the endslat and previous programming the limit positions.

			
If the limit positions are set up, press and hold the SET button (on tubular motor's head) for 12 seconds, after that you will hear an acoustic signal (x1 BIP).	After 6 seconds motor will make a move DOWN - UP	After 10 seconds motor will make a move DOWN - UP	After 12 seconds motor will make a move DOWN and UP AND you will hear acoustic signal (1x BIP)

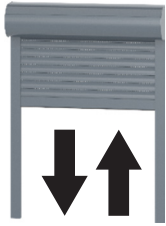
### NOTE

To deactivate the automatic update of the limit positions function, please repeat the procedure. Which will be confirmed by an acoustic signal (1x BIP).

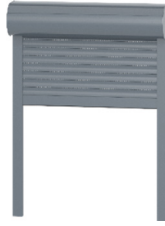
### 7.4. Setting the comfortable position

#### NOTE

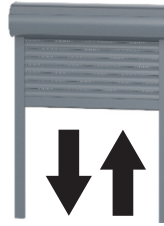
- Before setting up a comfortable position previous programming of the limit positions is necessary.



Determine the curtain position



Press and hold the „STOP“ button for 6 seconds.



The motor will make a move DOWN and UP

# OK

To set a predetermined position (comfortable) when the curtain is in any other position please press and hold „STOP“ button till the curtain starts moving to the comfortable position.

### 7.5. Erasing the comfortable position



Move the curtain to a comfort position



In an interval of about two seconds, press the „STOP“ button five times.

3 X

# OK

After successful setup the motor will make a sound (3x BIP).

### 7.6. Erasing the limit positions



1 X

Press the „P2“ which will be confirmed by an acoustic signal (x1 BIP).



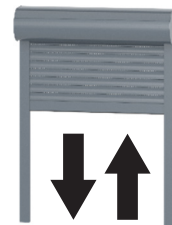
1 X

Press the „DOWN“ button which will be confirmed by an acoustic signal (1xBIP).



1 X

Press the „P2“ which will be confirmed by an acoustic signal (x1 BIP).



The motor will make a move DOWN and UP

### 8. ACTIVATION OF THE IMPULSE MODE



1 X

Press the „P2“ which will be confirmed by an acoustic signal (x1 BIP).



1 X

Press the „UP“ button which will be confirmed by an acoustic signal (1xBIP).



1 X

Press the „DOWN“ button which will be confirmed by an acoustic signal (1xBIP).

# OK

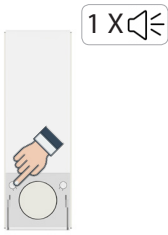
After setting up the motor will make a sound:

(x2 BIP) - if function is active,

(x1 BIP) - if function is inactive.

To change the function please repeat the procedure.

## 9. THE RESISTANCE AND REBOUND FUNCTION



Press the „P2“ which will be confirmed by an acoustic signal (x1 BIP).



Press the “DOWN” button which will be confirmed by an acoustic signal (1xBIP).



Press the “DOWN” button which will be confirmed by an acoustic signal (1xBIP).

# OK

After setting up the motor will make a sound:

(x2 BIP) - if function is active,

(x1 BIP) - if function is unactive.

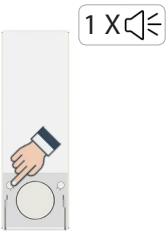
To change the function please repeat the procedure.

## 10. OBSTACLE DETECTION MODE SELECTION

Mode I – (average sensitivity - set at the factory) - the detection sensitivity is decreased by one rotation of the motor from the end position.

Mode II – (the highest sensitivity) - the detection sensitivity decreased by 1/5 shaft rotation from the end position.

Mode III – (the lowest sensitivity) - the detection sensitivity decreased over the entire working height.



Press the „P2“ which will be confirmed by an acoustic signal (x1 BIP).



Press the „STOP“ button which will be confirmed with an acoustic signal (x1 BIP).



Press the „DOWN“ button which will be confirmed by an acoustic signal (x1 BIP).

# OK

If the mode I is active the motor performs one single slight movement in both directions.

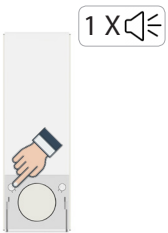
If the mode II is active the motor performs two slight movements in both directions

If the mode III is active the motor performs three slight movements in both directions.

To change the function please repeat the procedure.

## 11. RETURN TO FACTORY SETTINGS.

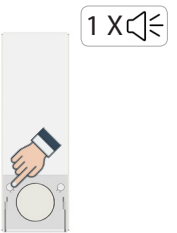
This procedure is erasing the whole memory from the motor including limit positions and all remote controllers.



Press the „P2“ which will be confirmed by an acoustic signal (x1 BIP).



Press the „STOP“ button which will be confirmed with an acoustic signal (x1 BIP).



Press the „P2“ which will be confirmed by an acoustic signal (x1 BIP).

# OK

After successful setup motor will move UP - DOWN.

