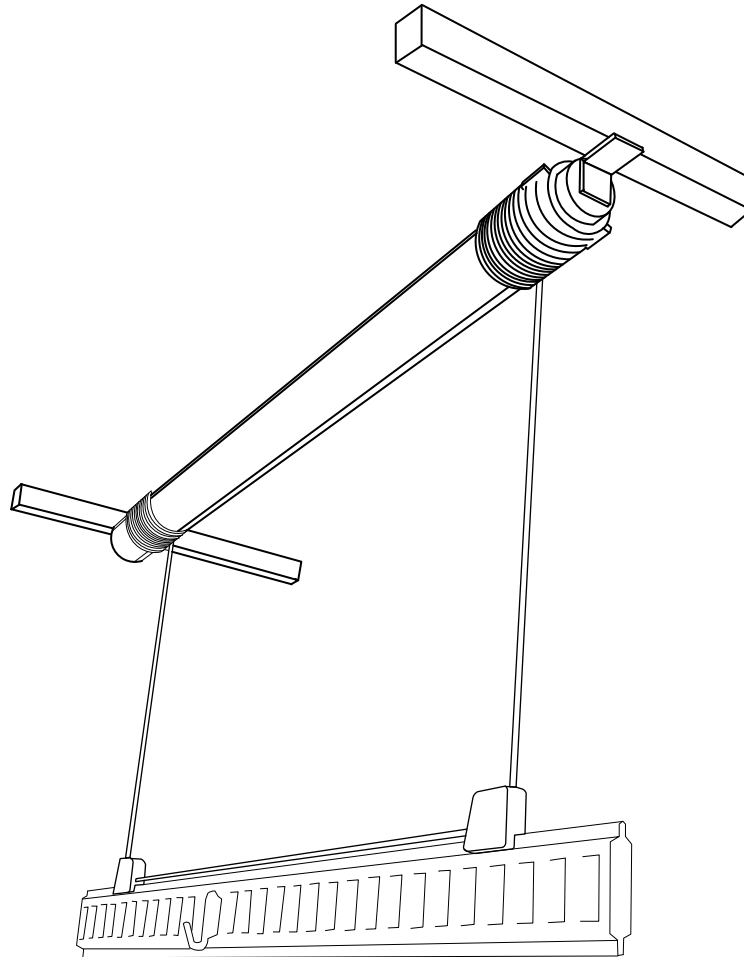
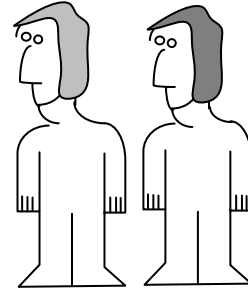
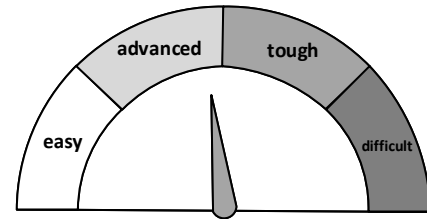


# AUXXLIFT One



# Before YOU start

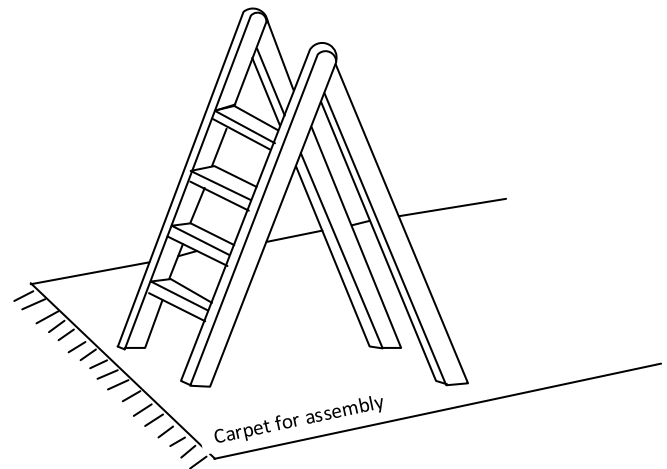
1. Have you read through the instructions?
2. Do you have all the recommended tools?
3. Do you have somebody assisting you?
4. Have you allocated enough time?



For a professional it takes about 3 hours to install.

What is most important is to follow the instructions and read everything carefully before you start.

5. You need a good, stable ladder.
6. Don't use an impact driver.
7. Clean the area before you start.
8. Wear safety glasses!
9. Keep work area clear!



Check measurements during construction.

Make sure that nothing is in the way e.g. windows, doors etc.

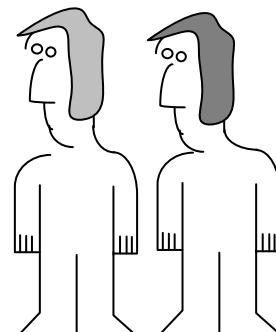
10. Does your garage ceiling have or has had termites?
11. Are the joists strong and big enough? (2" x 4" at least)
12. Mounting to a concrete ceiling requires anchors!
13. Has your home been built according to valid standards and guidelines?
14. If you have doubts about the ceiling construction, please ask a specialist!

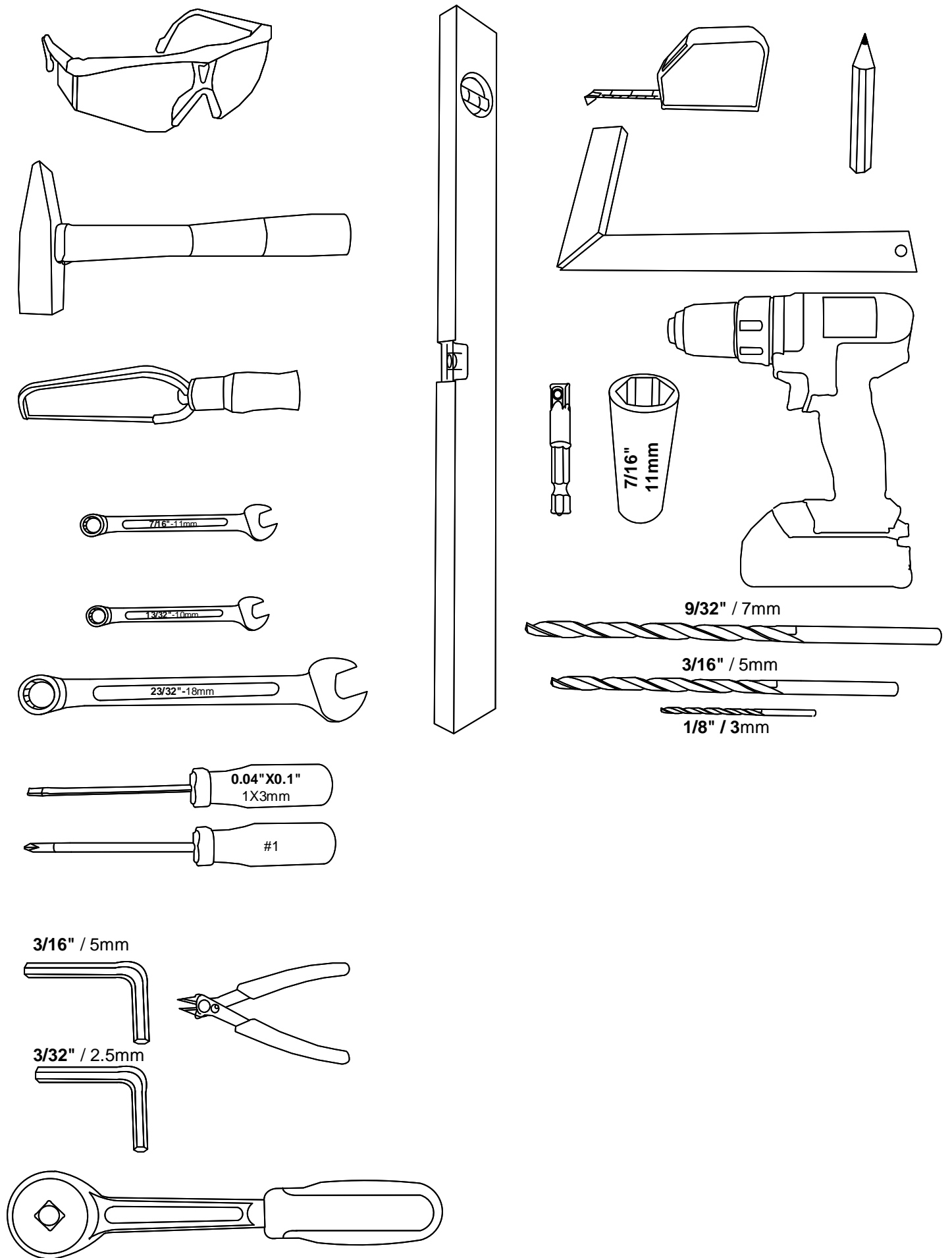
If you have any problems understanding the instructions or you feel uncomfortable handling the installation, please ask a handyman or work with a contractor. Call/ write us if you need help or have concerns or questions.



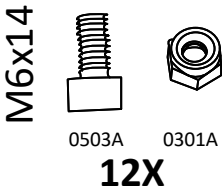
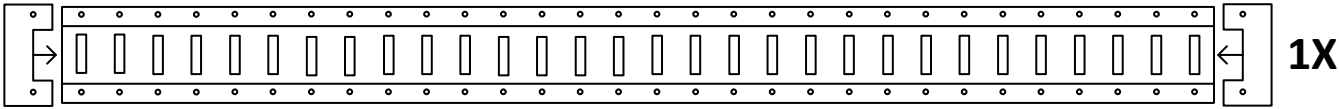
[www.auxx-lift.com/installation-help](http://www.auxx-lift.com/installation-help)

Help phone: PST 10 am -3 pm 1 805 862 8271

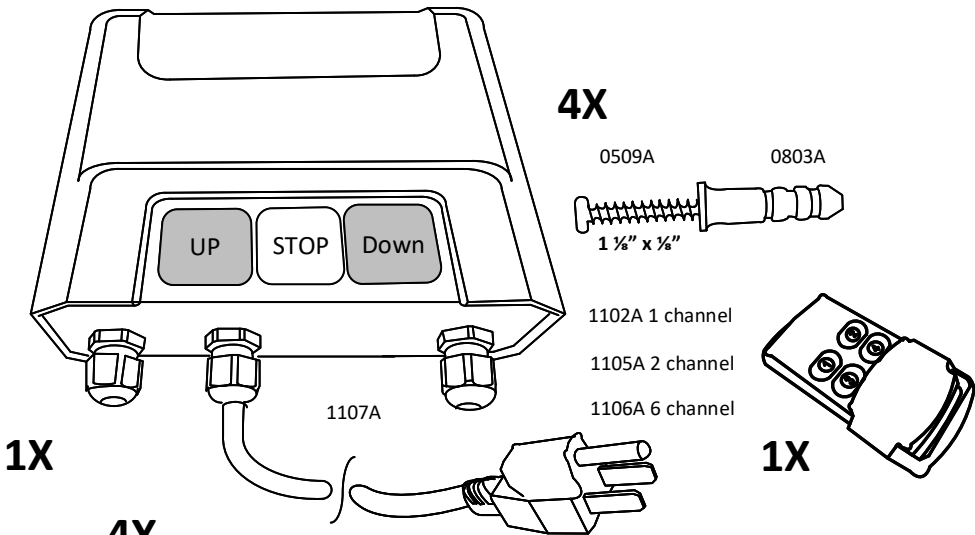
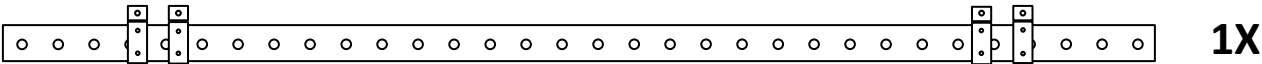




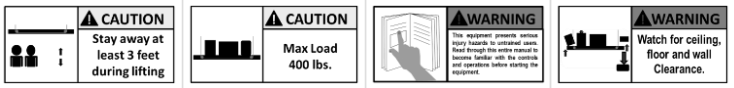
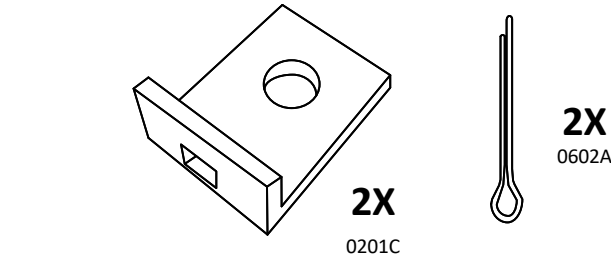
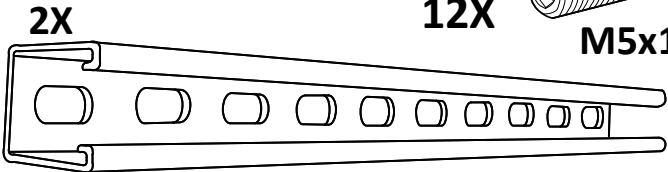
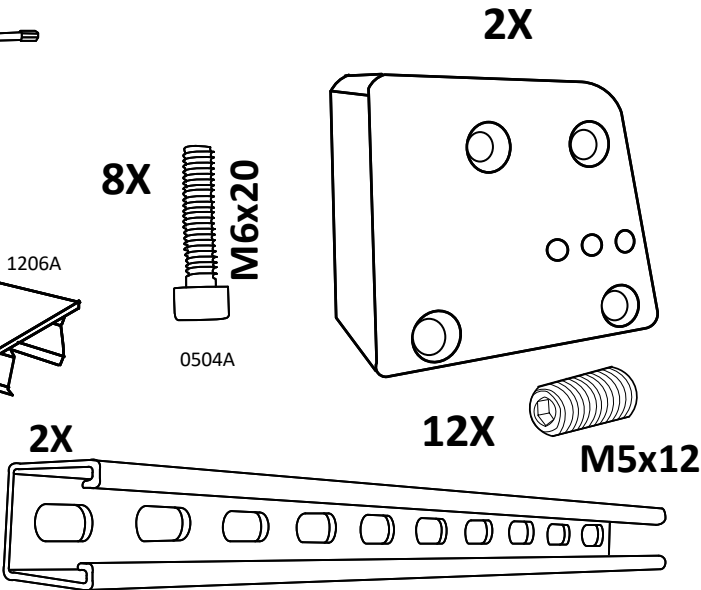
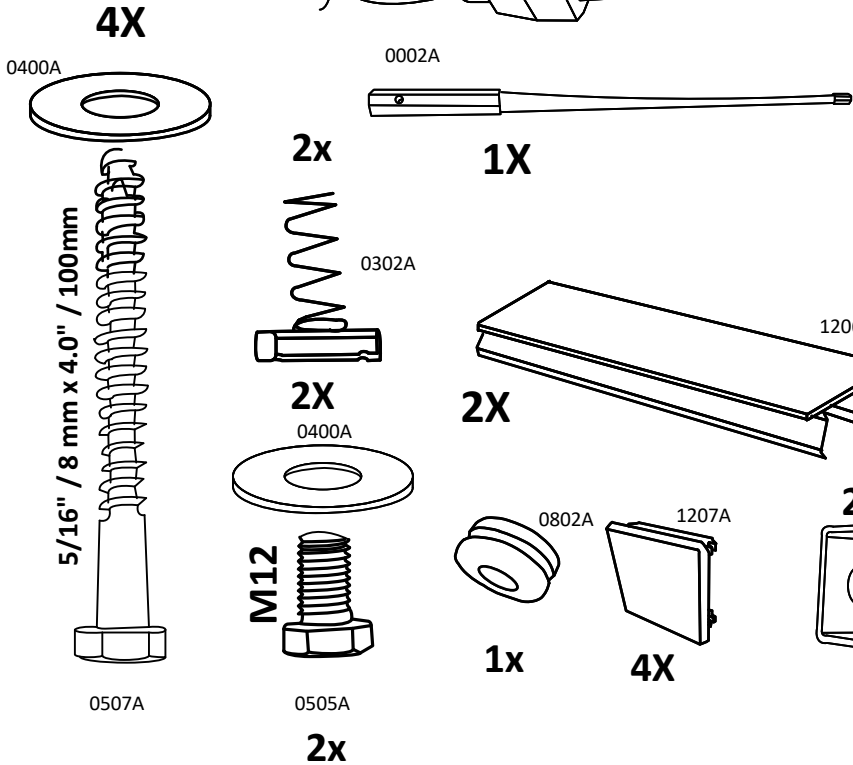
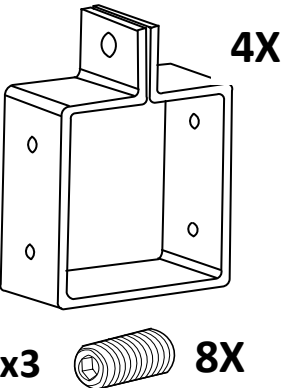
Version 1



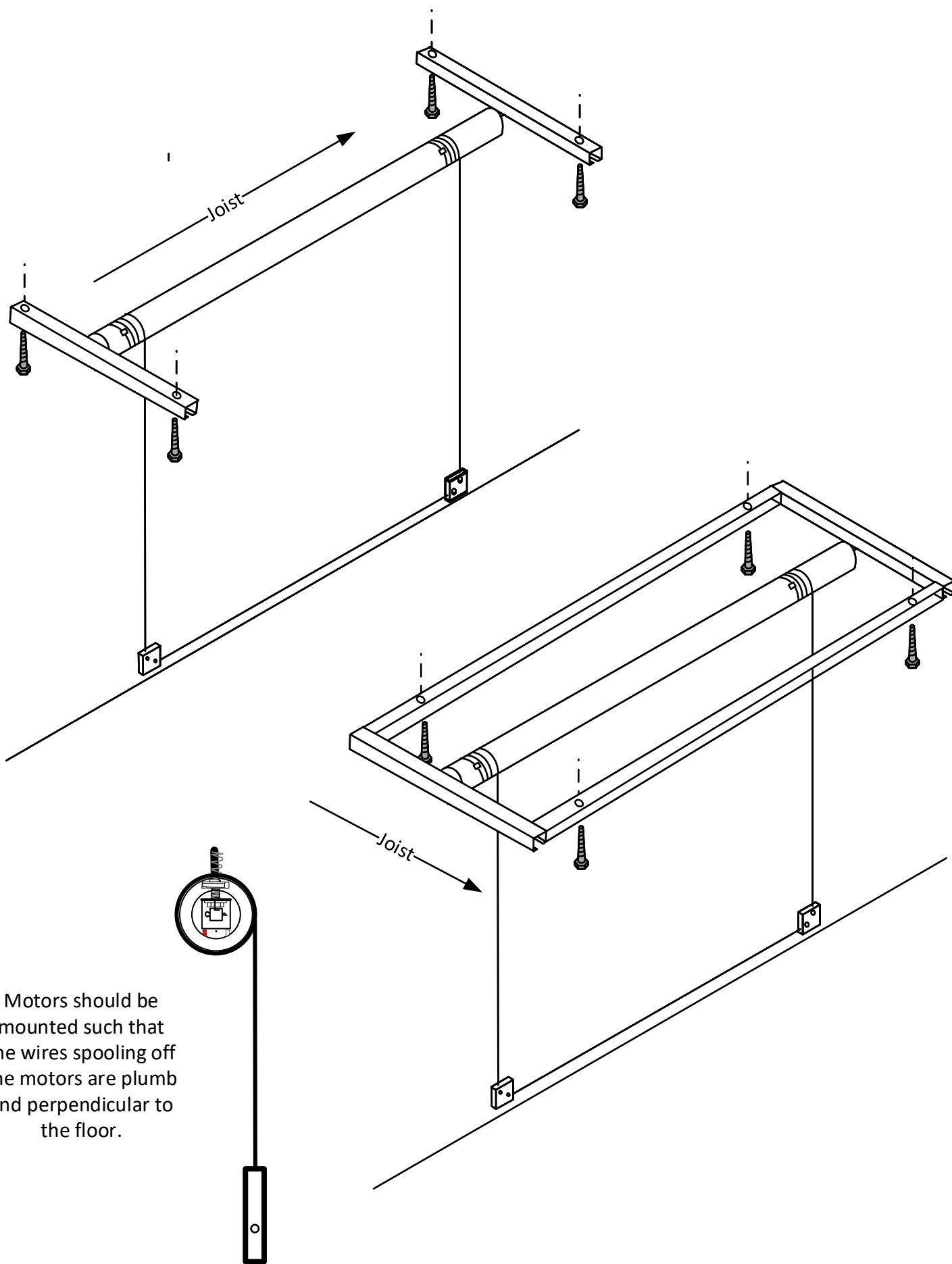
Version 2

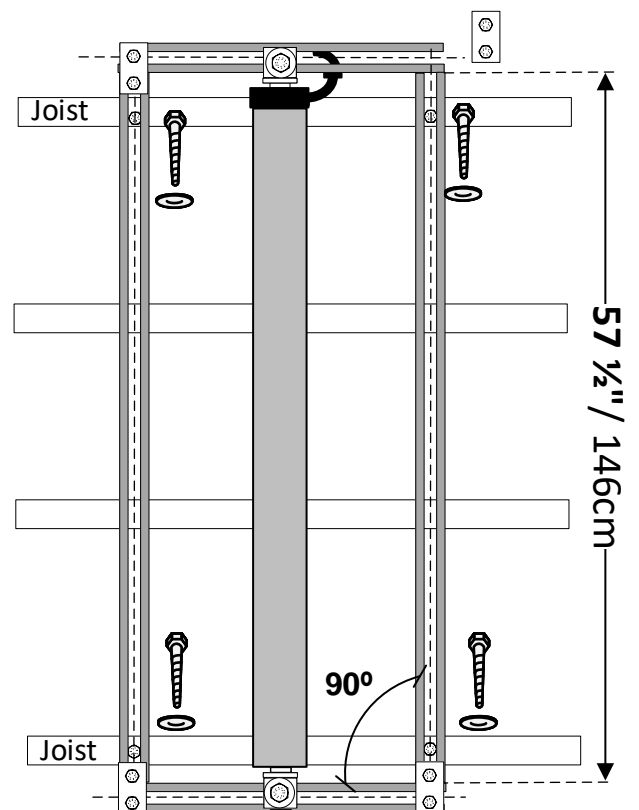
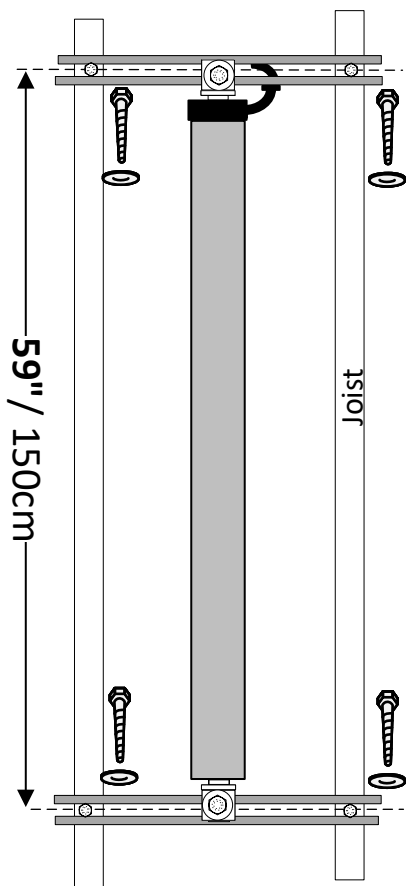
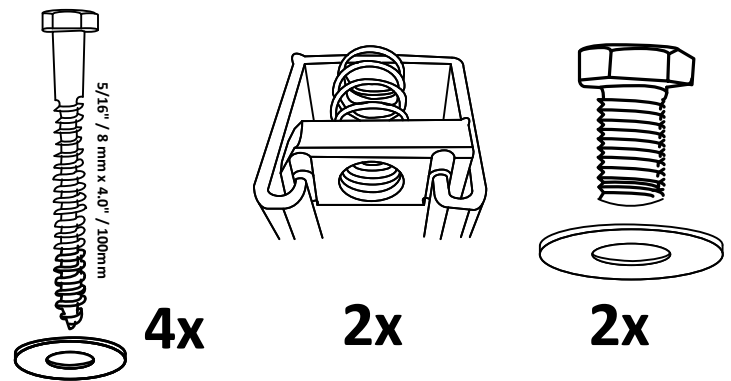
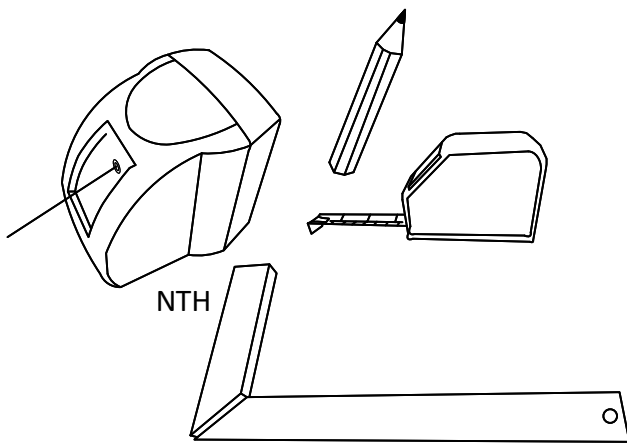


Only Version 2



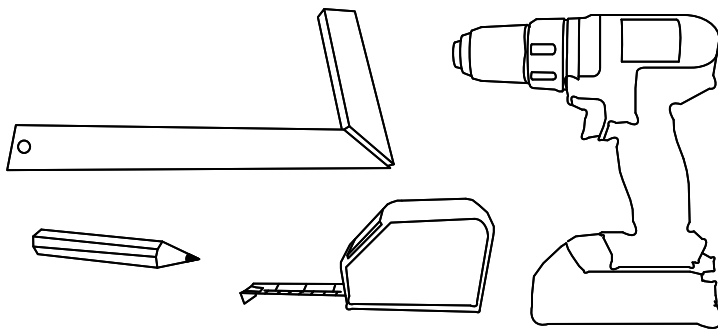
2001A



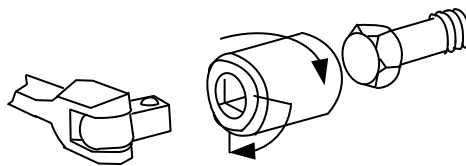


**Extra material for this configuration is not included.**  
 You will find the below materials at any big-box hardware store or order it from us (contact us).

2x Strut Channel 57.5" or 146cm  
 8x Strut Spring Nuts 1/2" or M12  
 8x Strut Screws Hex-Head 1/2" or M12  
 4x Strut Brackets  
 2x Strut cover 57.5" or 146cm

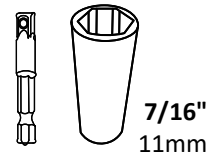


1/8" 3mm for pre-drill

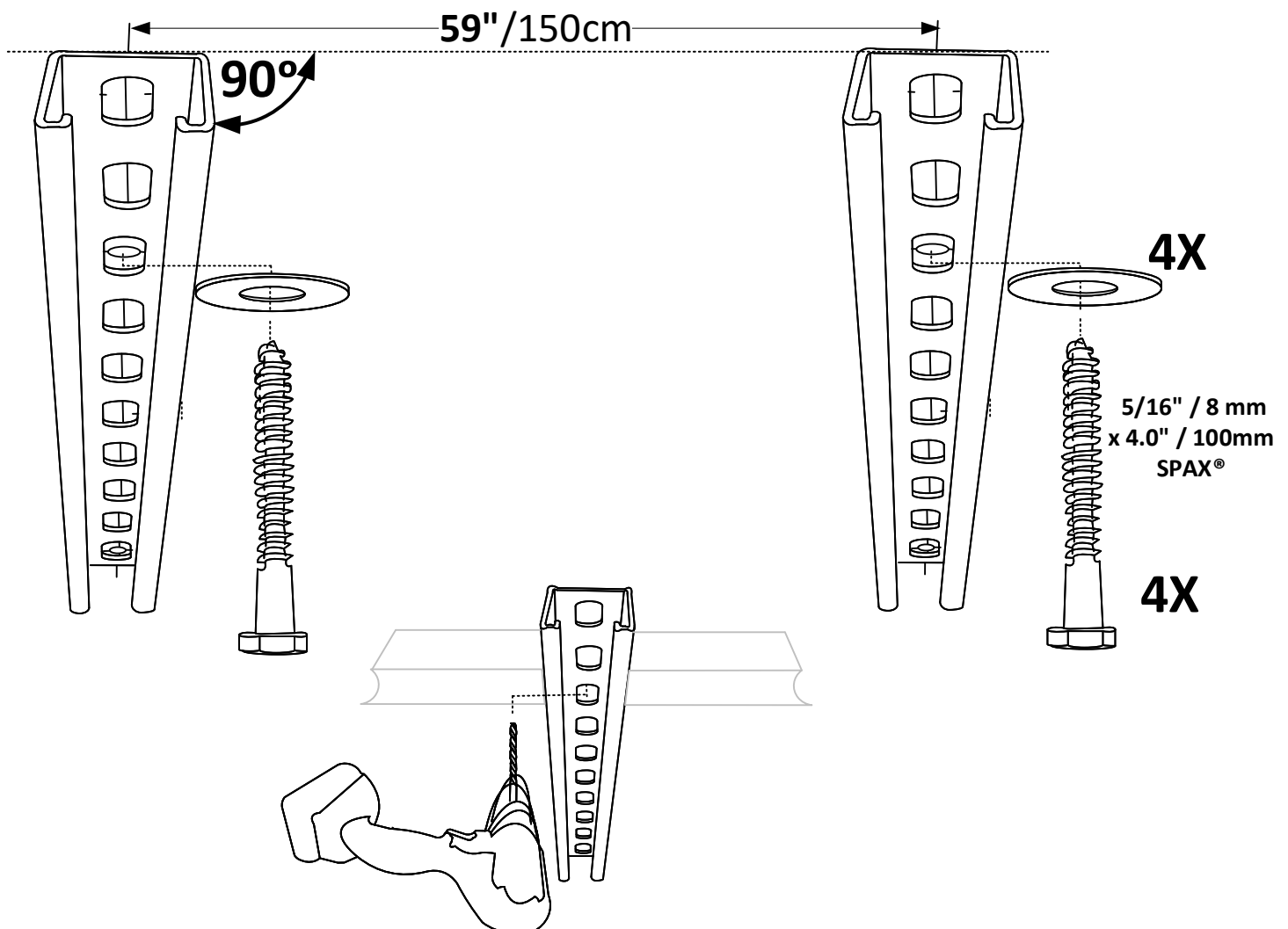


10° = (200 pound/  
inch = 20Nm)

**Warning!**  
**DO NOT** use an Impact Driver  
to tighten the Lag screws!

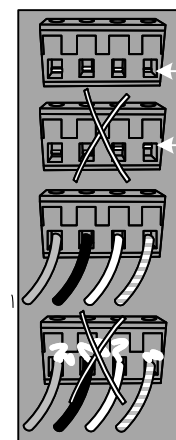
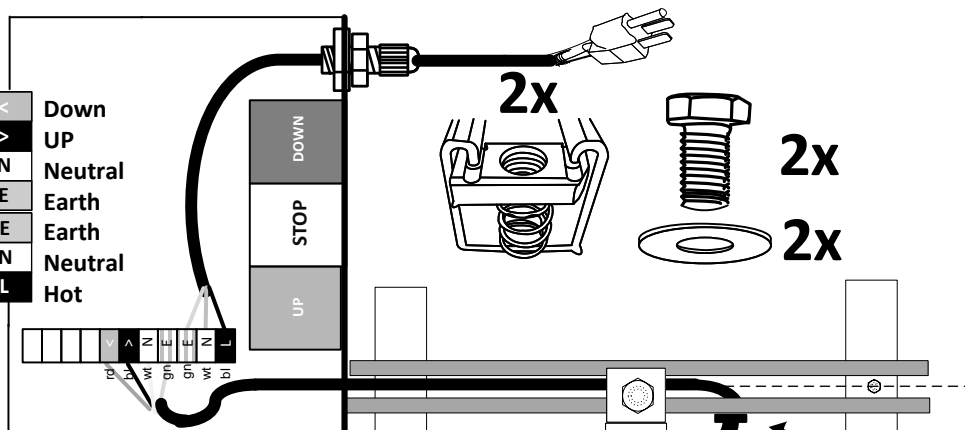


**Tighten screw until the washer no longer rotates. Then tighten screw another 10° in same direction.**



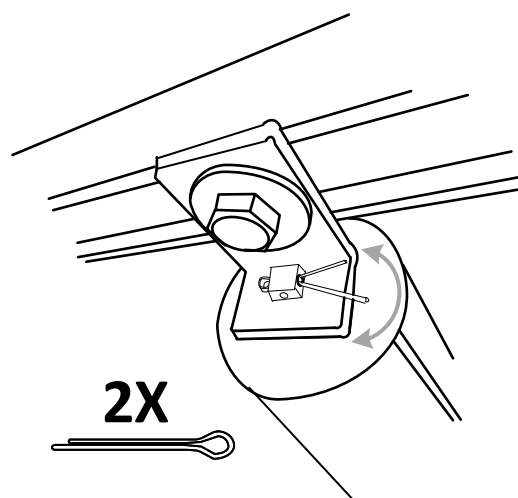
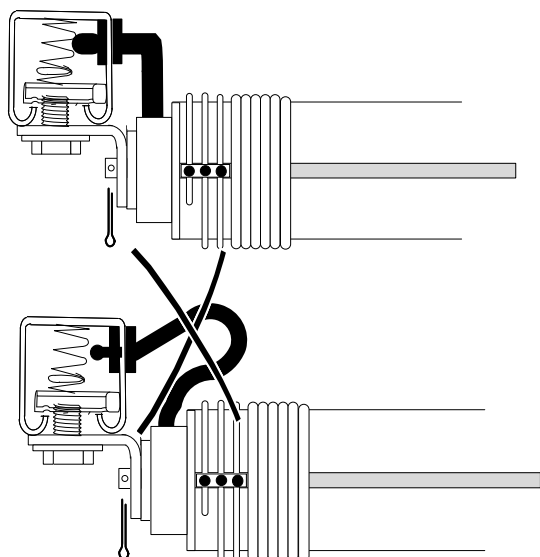
RED rd  
 BLACK bl  
 WHITE wt  
 GREEN gn  
 GREEN gn  
 WHITE wt  
 BLACK bl

<	Down
>	UP
N	Neutral
E	Earth
E	Earth
N	Neutral
L	Hot

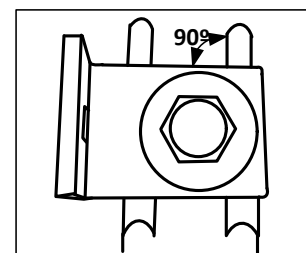
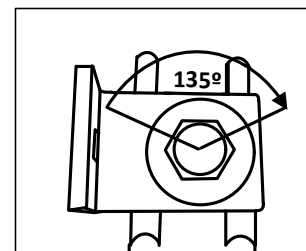


***Before connecting to the outlet, make sure that all wires are tightly connected***

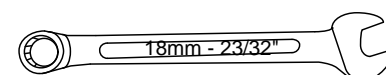
**Wires are connected by tightening binding screws on the top of the green motor connector blocks**



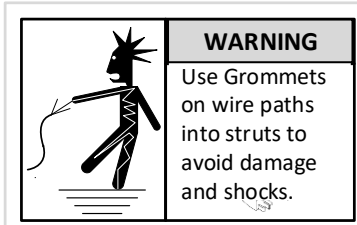
Joist



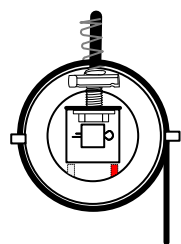
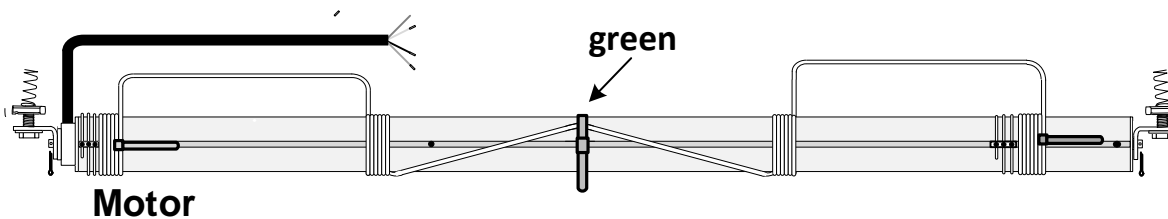
**Tighten screw until the washer no longer rotates. Then tighten screw another 135° in the same direction.**



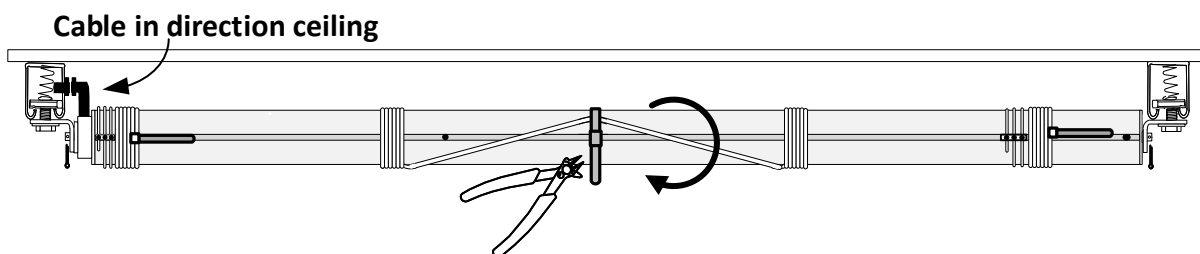
**Note the use of grommets and the wire path into the strut**



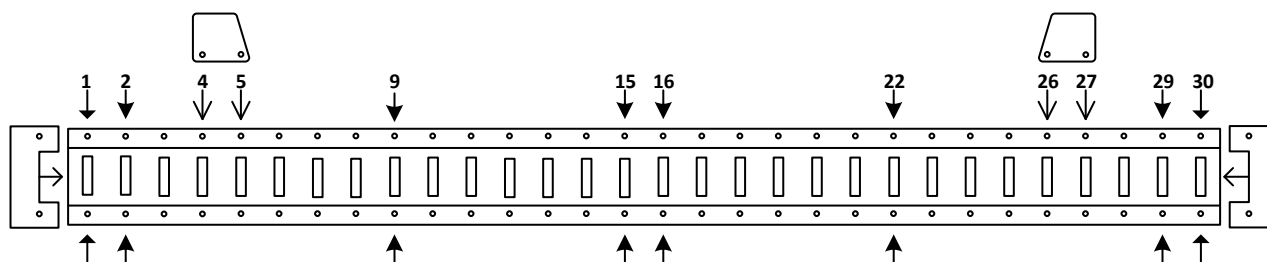




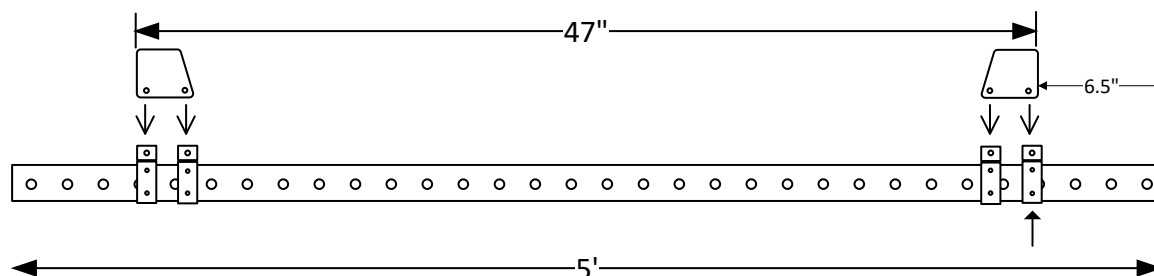
The black cables that come out of the motors need to come straight down towards floor.



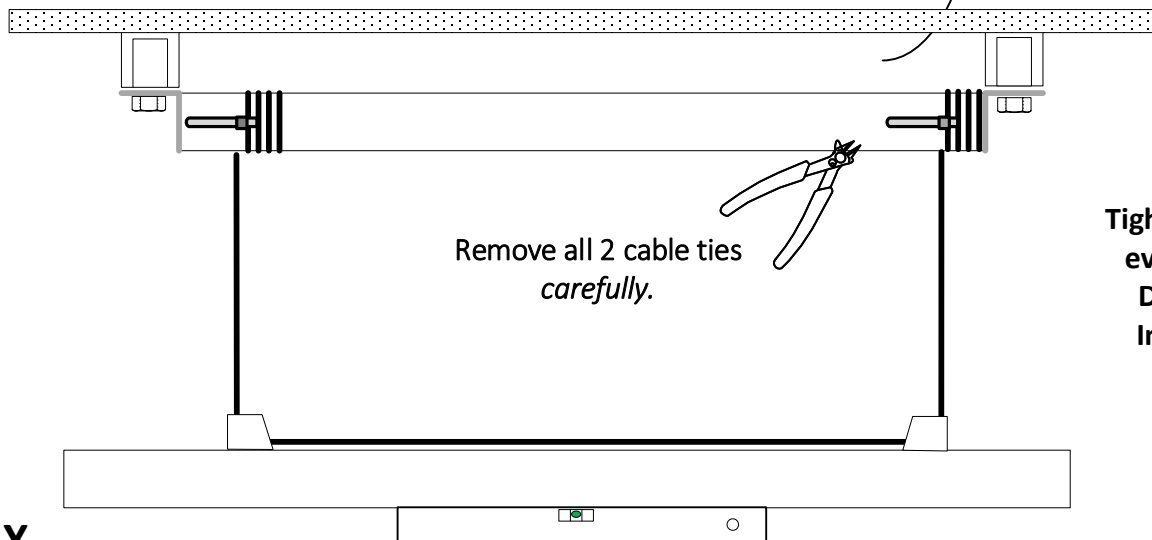
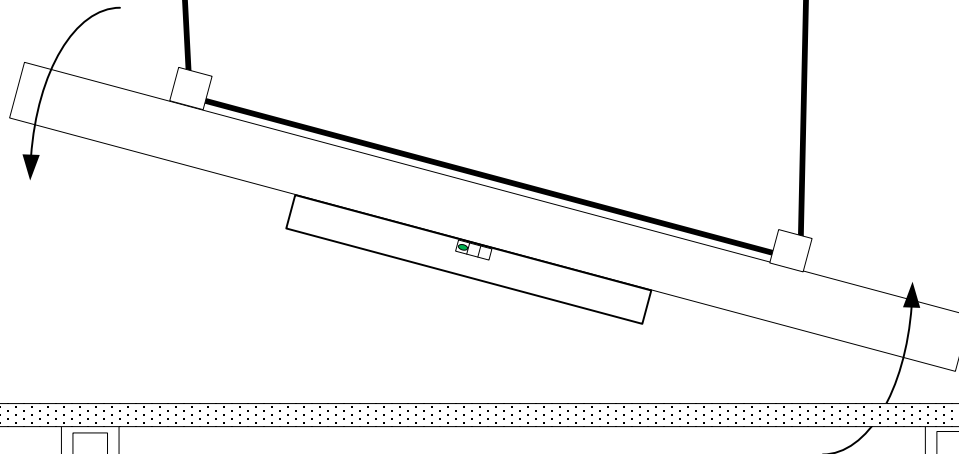
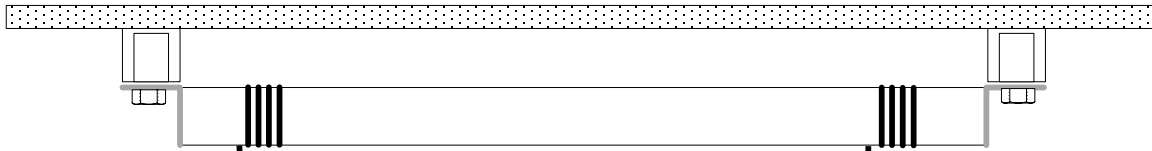
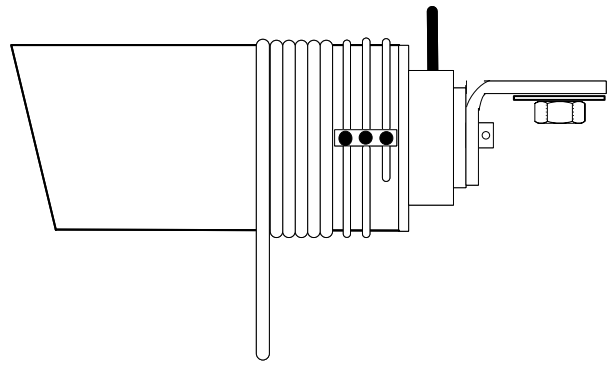
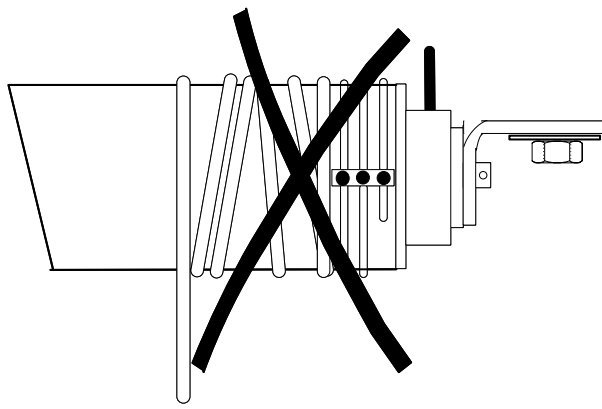
After cutting the middle cable tie, the wire rope must be unrolled from the tube until it stops due to the other remaining cable ties.



- ↓ 8x M6x20
- ↓ 12x M6x14
- ↓ 12x Lock nut M6
- ↓ 4x Pin
- ↓ 5mm x 30mm



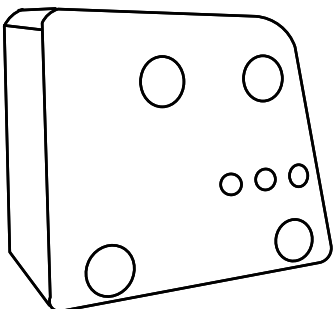
- ↓ 8x M6x20
- ↓ 16x Set screws M5 x 3mm



Remove all 2 cable ties  
*carefully.*

**Tighten the screws  
evenly by hand.  
Do not use an  
Impact driver.**

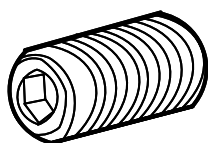
**2X**



**8X**

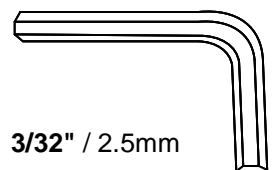


**M6x20**

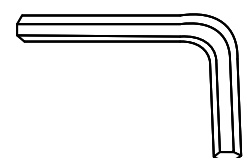


**12x**

**3/16" / 5mm**

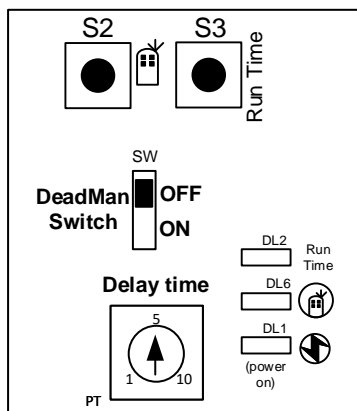


**3/32" / 2.5mm**



**10**

# Motor Adjustment (leveling), Preparation

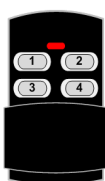


1. **Do not use S2 and S3 for adjustment!**  
(They are only for remote- and time control!)
2. For **adjustment** please move the switch SW called DeadMan in the direction of OFF
3. Delay time 5

**DeadMan off- press key (up/down) once and the lift runs. Press STOP 2**  
**This function for adjustment only!**



## Controller Keys



- 1 UP
- 2 Stop
- 3 Down
- 4 Learn



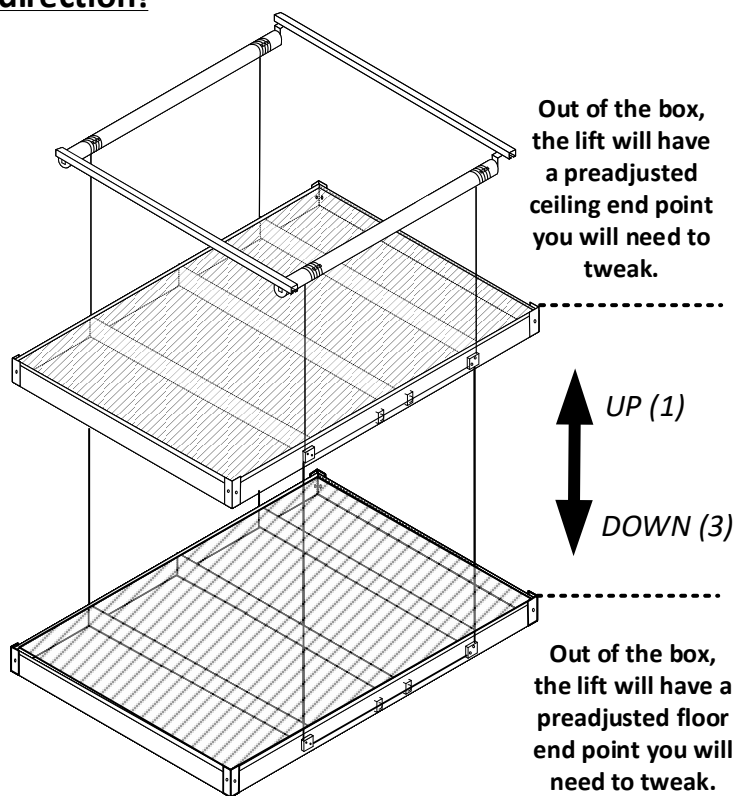
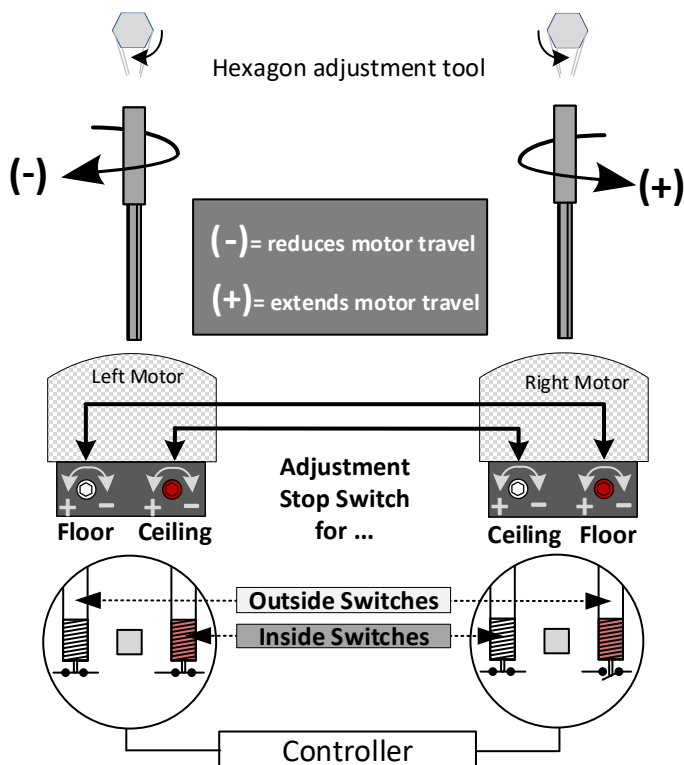
Controller on

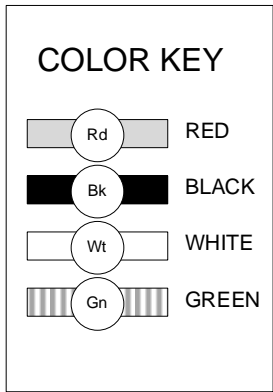


Controller off

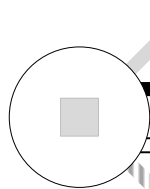
!Max running Time 1.5min

**Most important! All switches work the same way, even though their labeling is different.**  
**Before you start to turn the stop (motor limit) switches, please be sure that you are turning them in the right direction!**

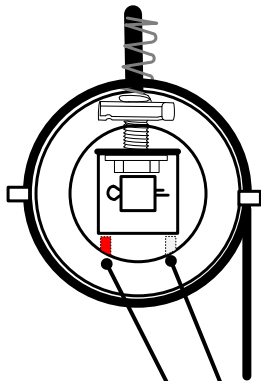
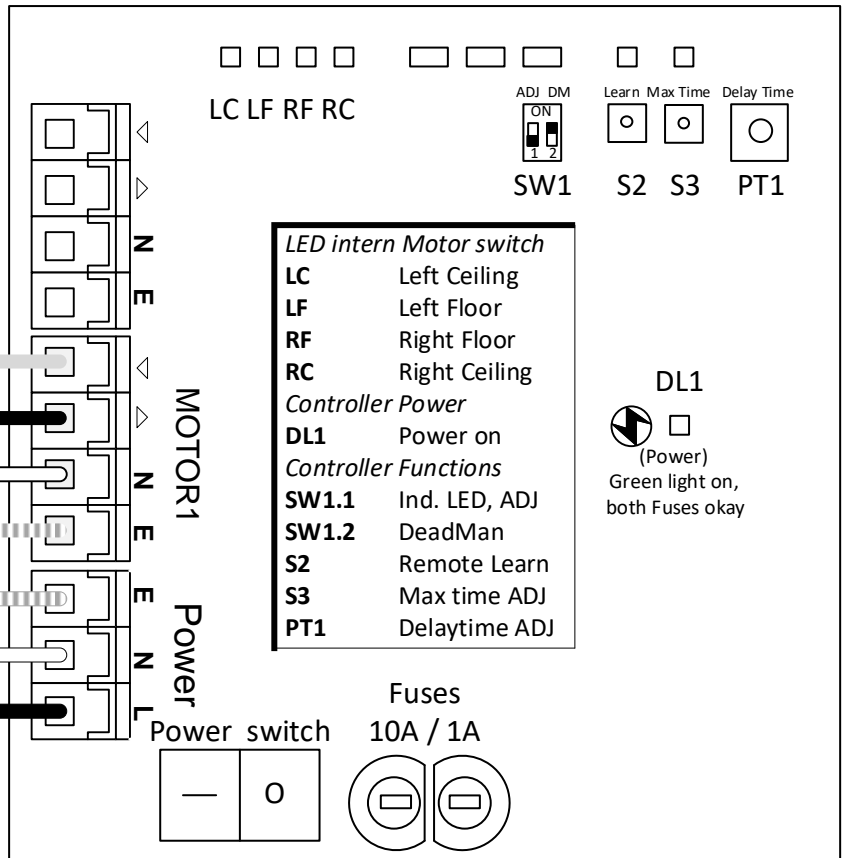




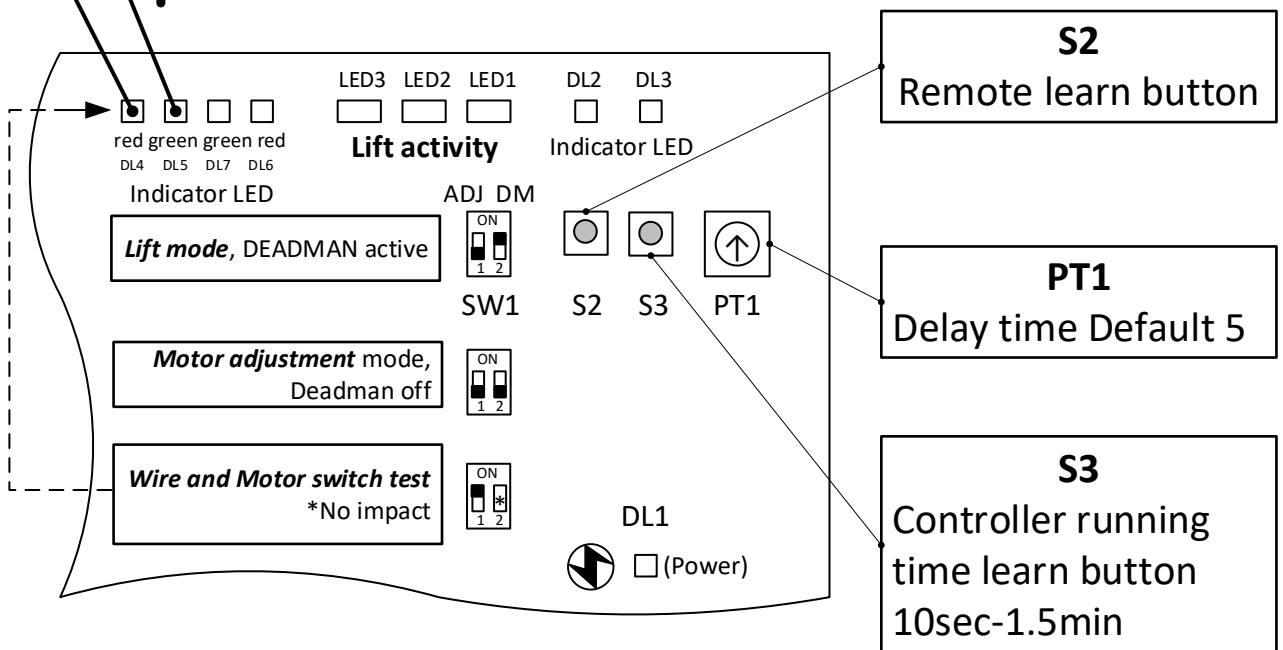
120V/  
60Hz  
INPUT



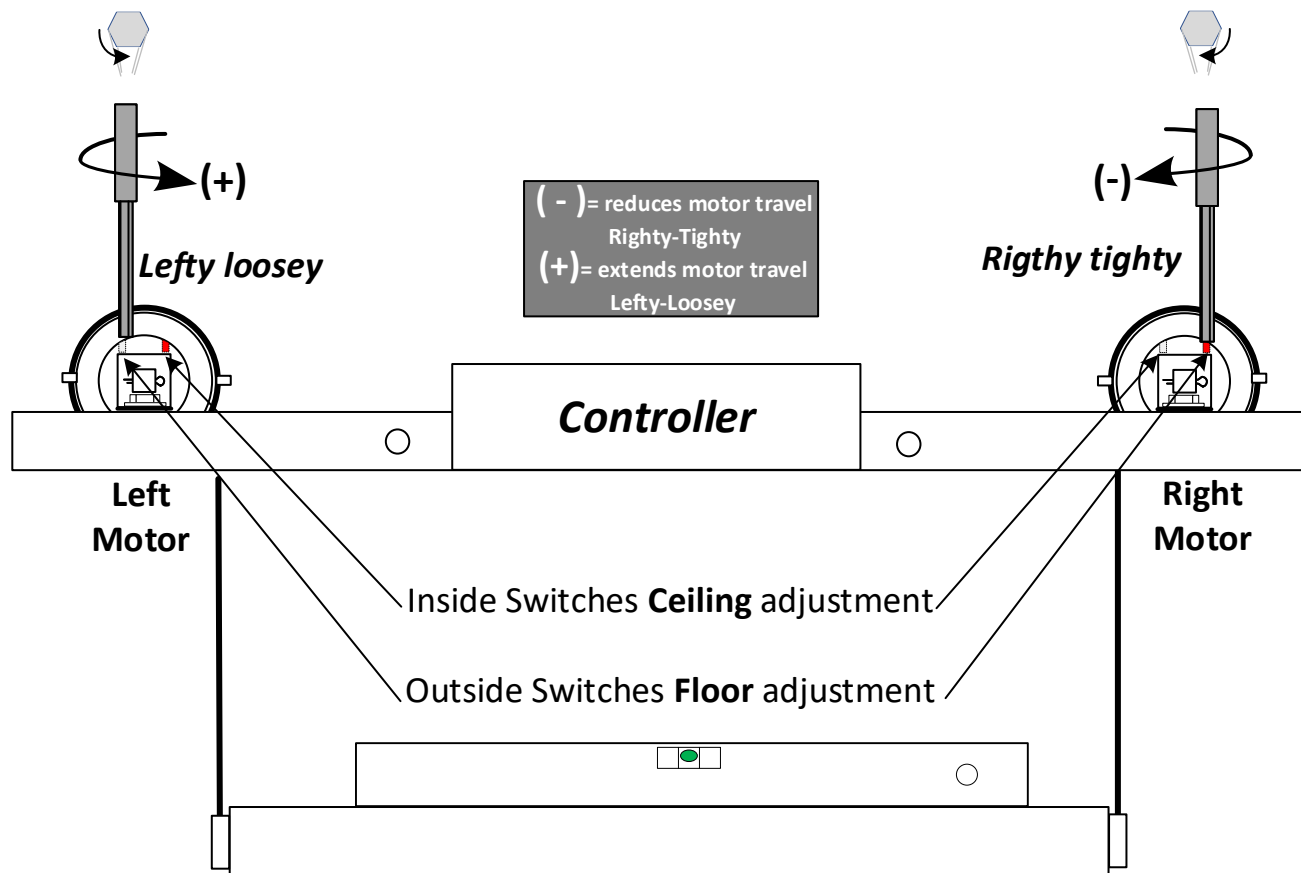
Rd  
Bk  
Wt  
Gn  
Gn  
Wt  
BK



*Lift doesn't  
work in this  
mode, only  
control and  
pre  
adjustment!*

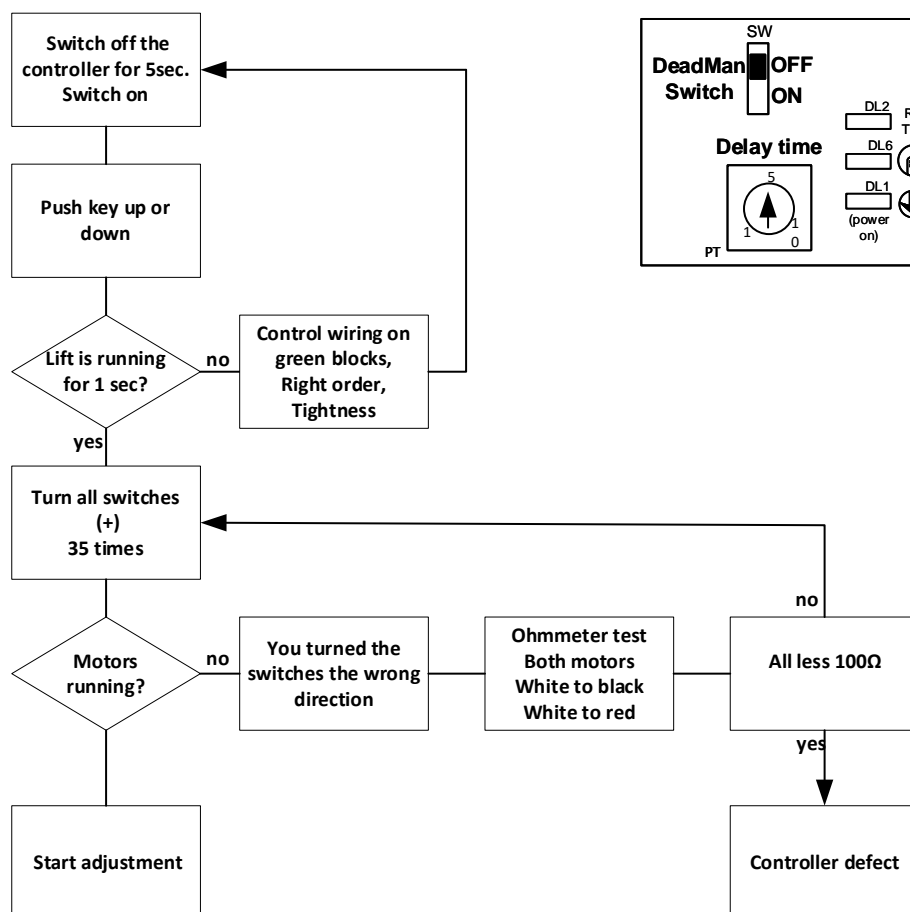


## Prepare Adjustment (Control electrical wiring Page 14 and 15)



If motors are **not** running, follow flowchart to the right and refer to page 22. Else go to Adjustments next page.

**Advice:**  
Max. motor running time is 4min. Motor cool down phase is around 15-20min!



# Motor Adjustment (leveling), Preparation

## Technical information for 400 lbs lift

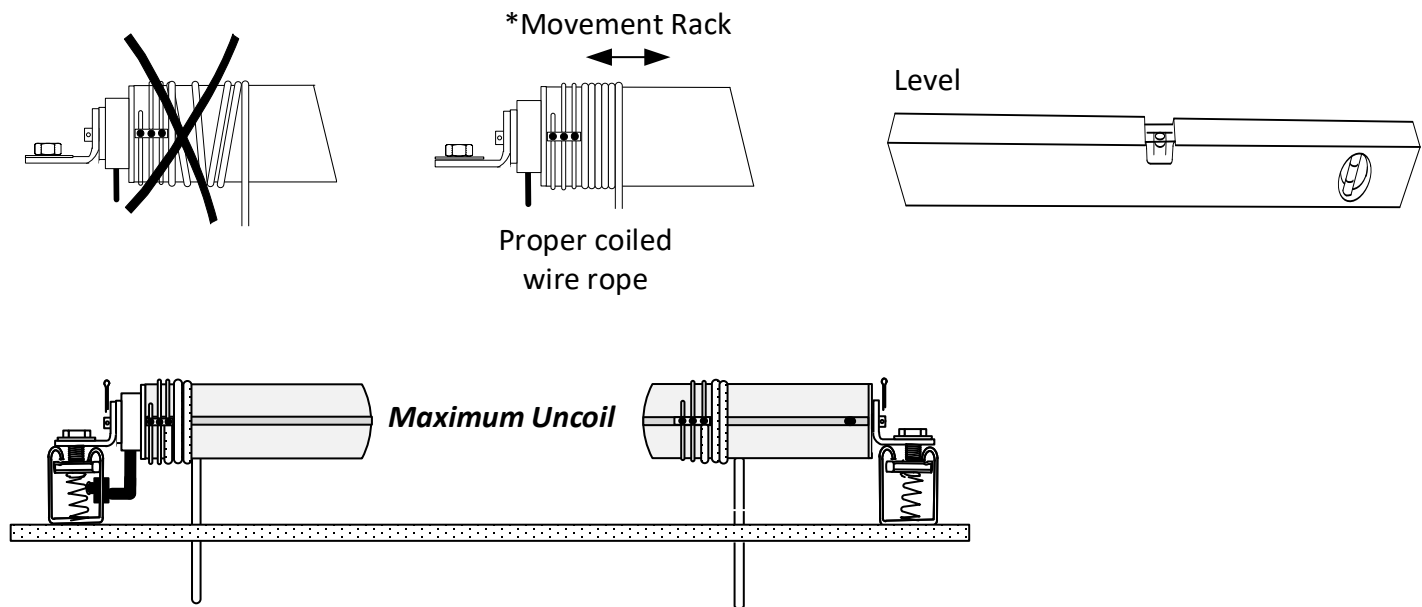
Max travel is	14 feet/ 4.30m or 20 feet / 6m
1 tube rotation	12 turns on the stop switches
1 tube rotation	9" / 22cm
1 turn on stop switch	3/4" / 2cm
Smallest movement	1/16" / 1mm
Movement Rack 14'*	4"/10cm
Switch turns	250

Only turn the switches by hand with the tool provided  
Stop turning immediately if you feel a mechanical click in the switch when turning.

## Technical information for 600 lbs lift

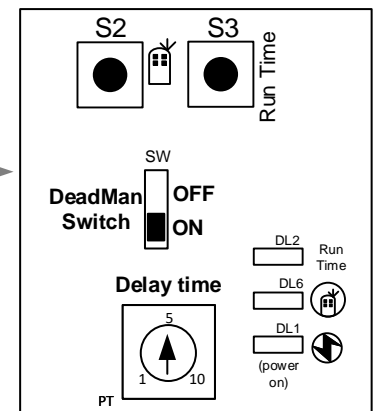
Max travel is	14 feet/ 4.30m or 20 feet / 6m
1 tube rotation	12 turns on the stop switches
1 tube rotation	11" / 28cm
1 turn on stop switch	1" / 2.5cm
Smallest movement	1/16" / 1mm
Movement Rack 14'*	4"/10cm
Switch turns	300

Only turn the switches by hand with the tool provided  
Stop turning immediately if you feel a mechanical click in the switch when turning.

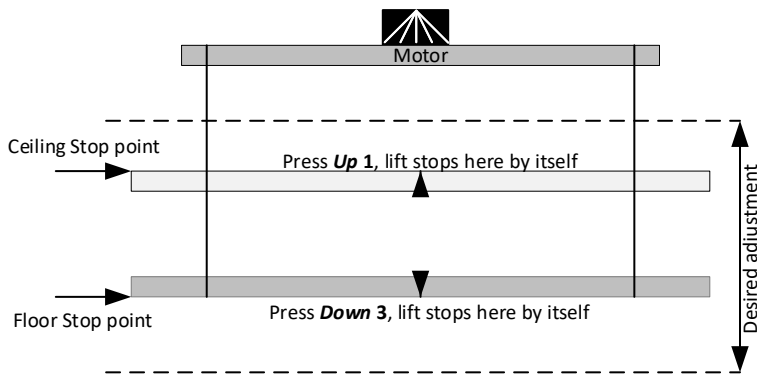


Adjustment is only possible with the **DeadMan** switch **OFF**, and after a motor limit has been reached or lift is stopped manually (white LED lights on controller are lit and stay on).

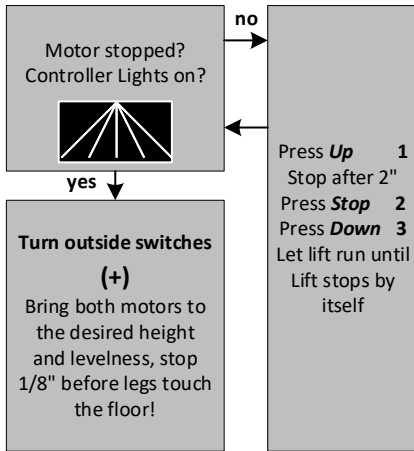
After adjustment you **MUST** switch the **DeadMan** back on. It's for your safety!



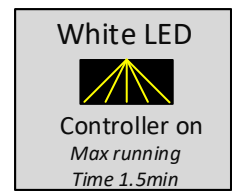
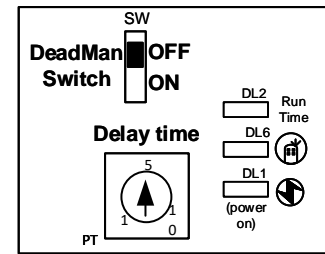
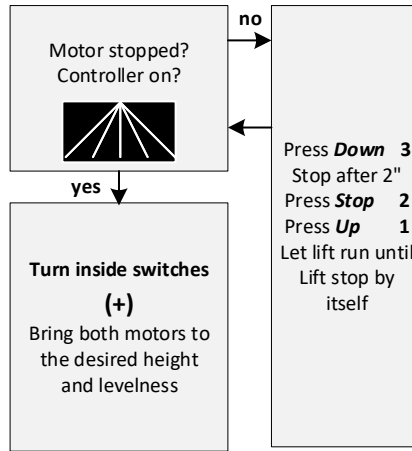
**DeadMan Function:** You use only the UP and DOWN buttons. You have to hold the button to make the lift move. When you release the button the equipment will stop immediately. If a key gets jammed you can stop the equipment with the stop button.



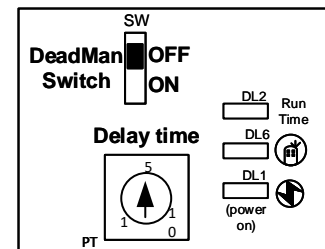
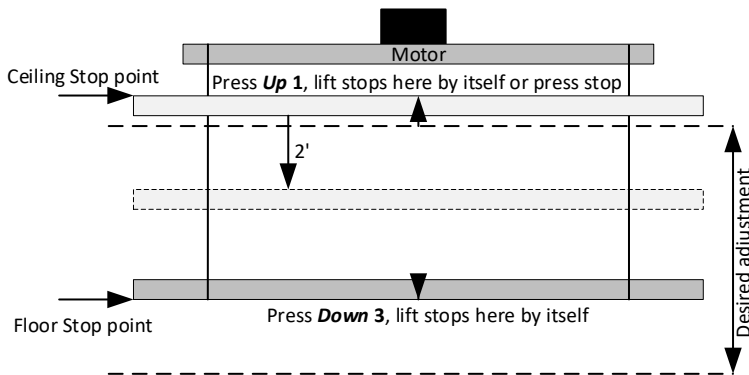
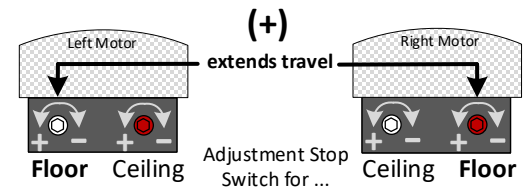
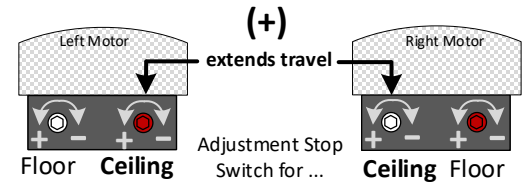
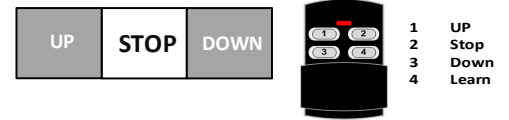
## Floor Adjustment



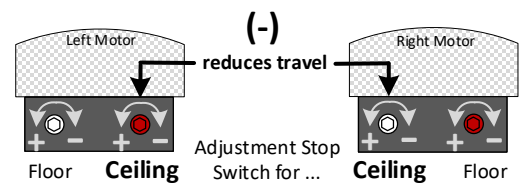
## Ceiling Adjustment



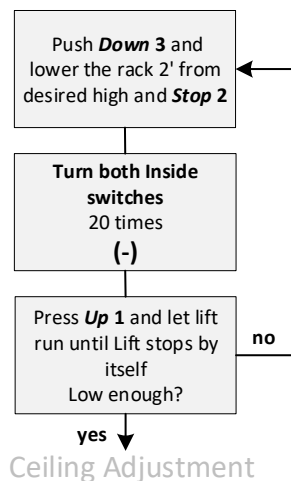
*Overheated? Not running just clicking?  
Motors were running more than 4min?  
Allow motors to cool for 20min*

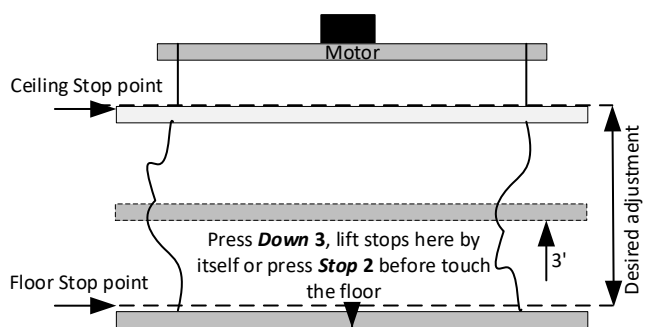


*Overheated? No running only clicking?  
Motors were running more than 4min?  
Allow motors to cool for 20min*

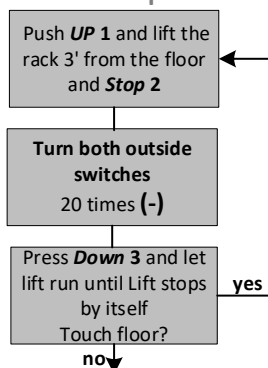


## Ceiling Adjustment Preparation (too high)

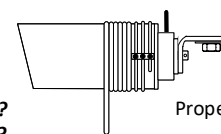
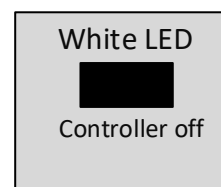
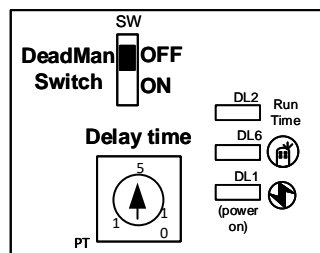




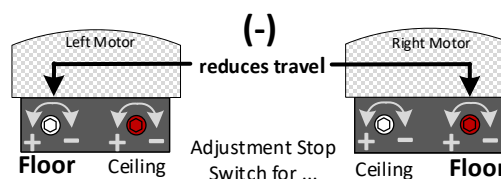
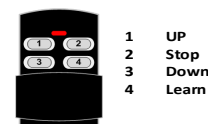
## Floor Adjustment Preparation (too low)



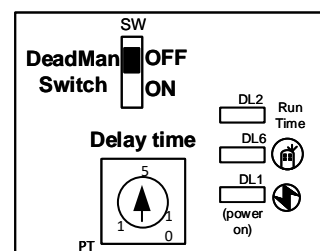
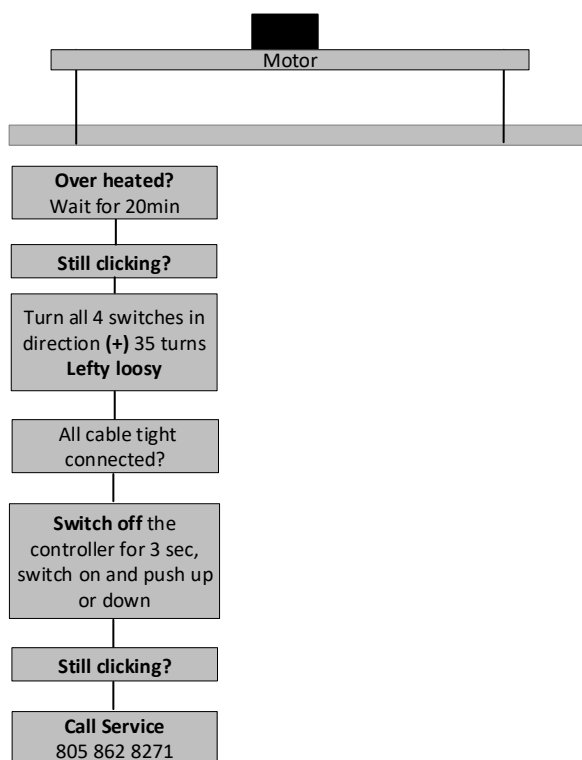
## Floor Adjustment



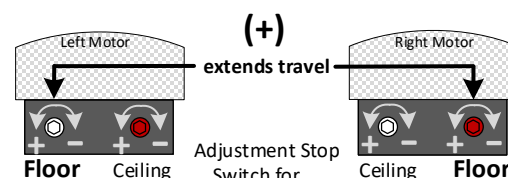
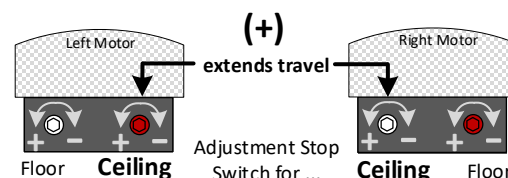
*Overheated? No running only clicking?  
Motors were running more than 4min?  
Allow motors to cool for 20min*



## Clicking



*Overheated? Not running just clicking?  
Motors were running more than 4min?  
Allow motors to cool for 20min*



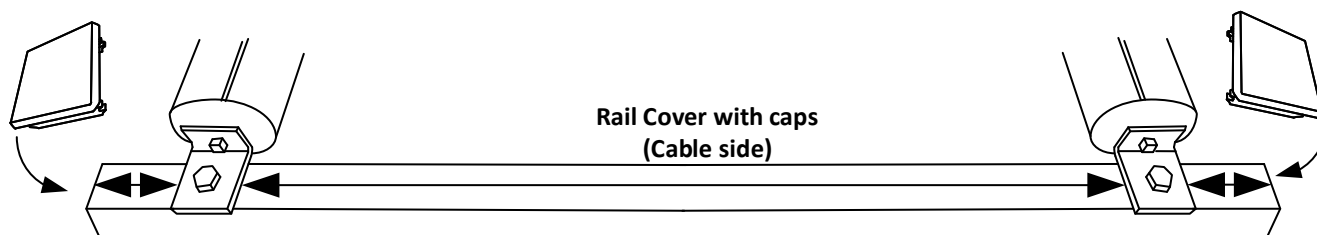
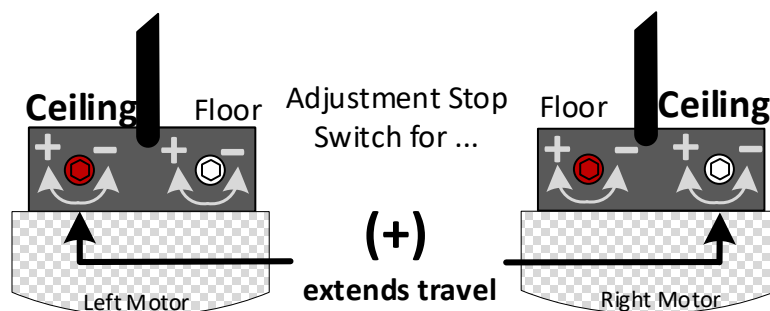
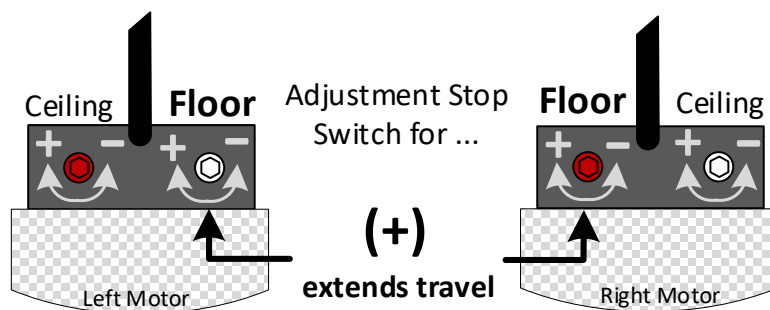
**If you are done with the adjustment, please switch the DeadMan function back on**

**Important! The Lift has to run to the ceiling end points (stopped automatically) in order to be leveled properly.**

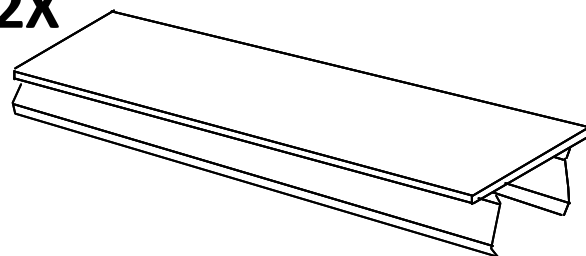


## Wire routing to the top

Compare to page 14

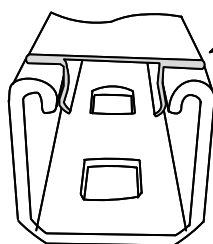
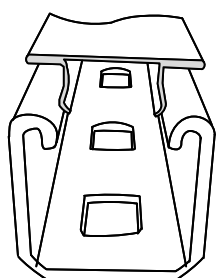
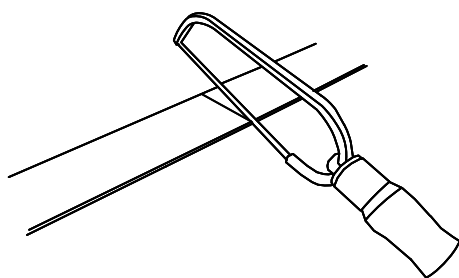


2X

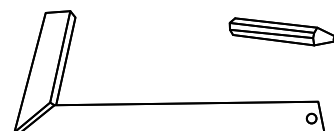
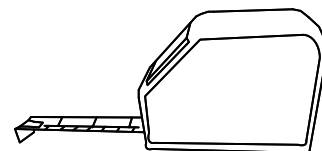


4X

5'/150cm

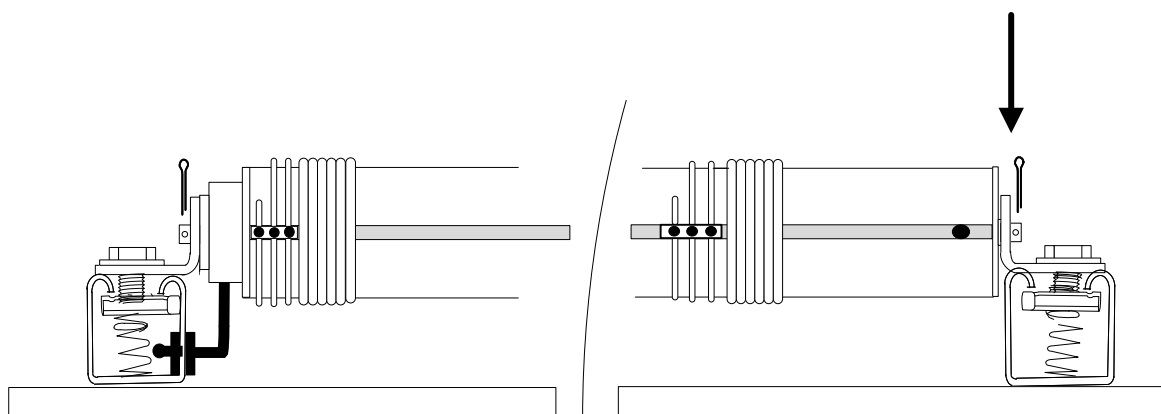


Click

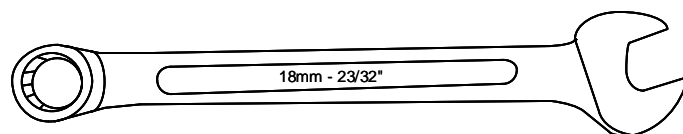
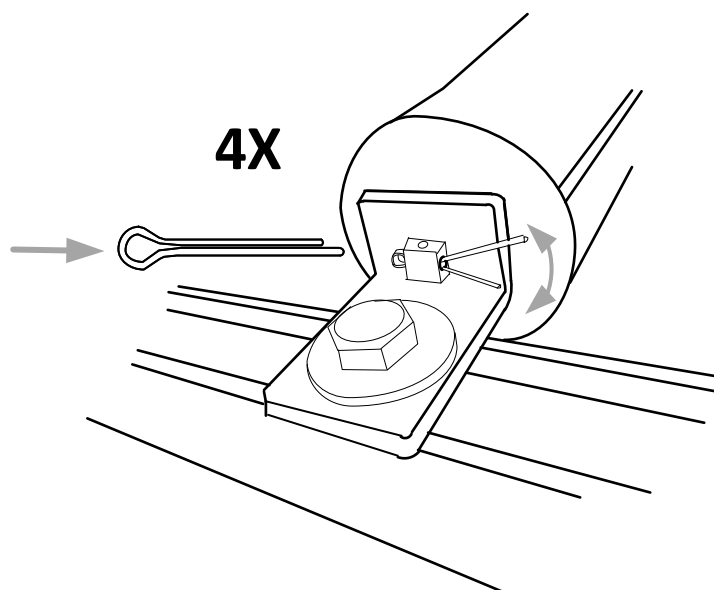
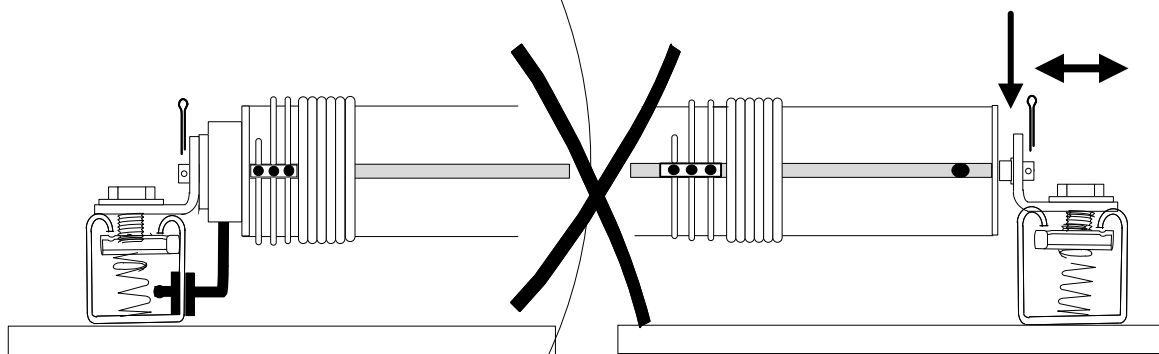


# Inspection

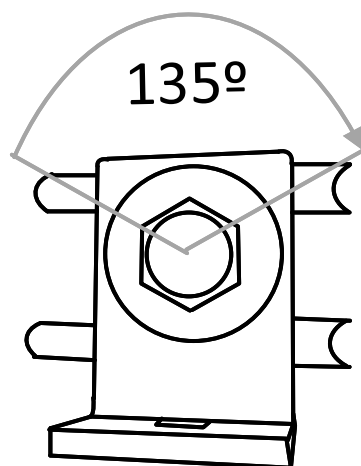
Inspect and tighten all screws, wire clips, grommets and cotter pins. Make an alignment mark on each part that might be able to shift over time (like the motor mounts) using a Sharpie pen. Inspect all items, especially movement on the alignment marks, once a year.



Gap not more than  $\frac{1}{16}$ "/1mm



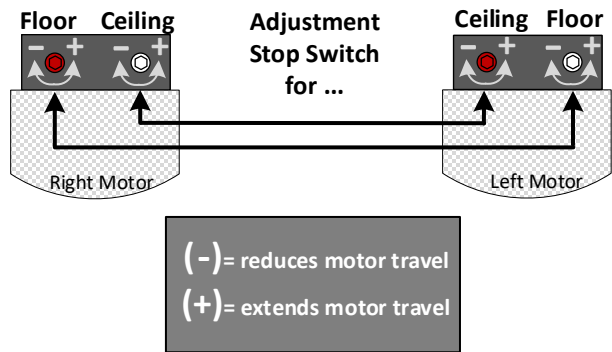
tighten



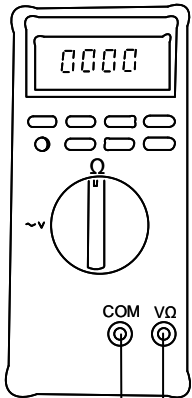
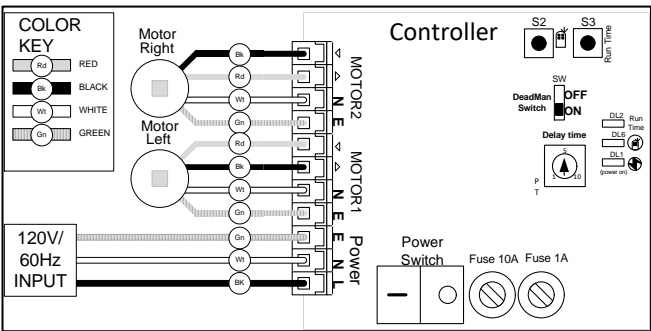
# Equipment doesn't work

Problem	Reason	Possibility/Fix
1. Motors not running	Controller is on? Green LED DL1 illuminated. Check wire connection and wire color. Push up/down switch on Controller.	Check outlet and 1A/10A fuse. Not in right order or loose wires. Remote control not programmed.
2. Relays are clicking	Motor limits reached.  Motors overheated. Test all wires (Measurement).	Protection mechanism active (common). <b>Turn all 4 end switches 35 rotations in direction (+).</b> Wait for 15min. Connector defect.

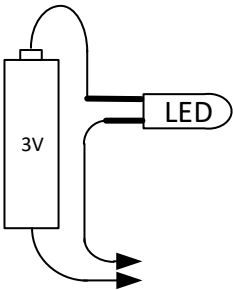
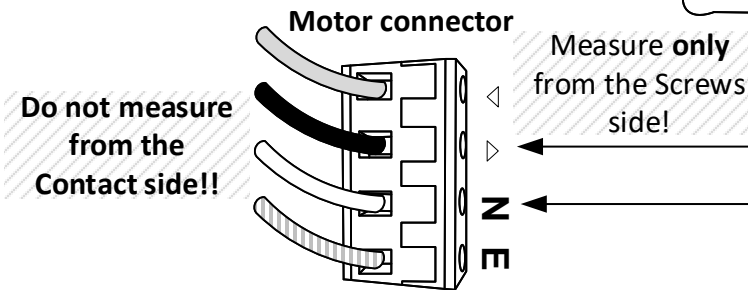
Advice:  
DL1 on (power on)  
1A/10A fuse okay



## Wire Measurement



**Troubleshoot Motor Wiring:**  
Disconnect the Motor connector and use an Ohmmeter to test the readings per the below chart. Alternatively you can use a 3V battery.

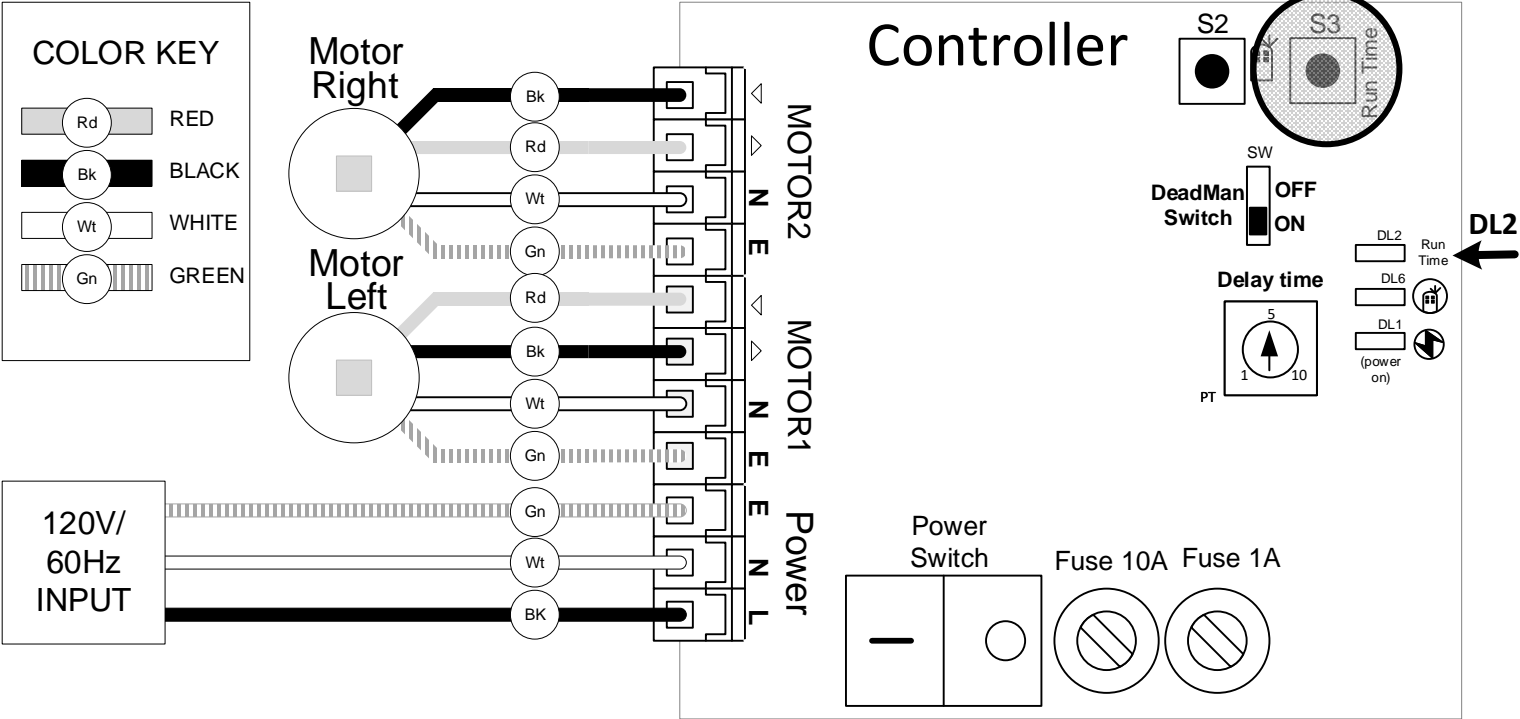


Motor 1&2 Basic Adjustment					
Test Ohmmeter			Test 3.0V Battery		
Measure	Result				
Λ and N	less 100Ω	✓	Λ and N	LED on	✓
∇ and N	less 100Ω	✓	∇ and N	LED on	✓
Λ and N	∞ Ω	Adjustment	Λ and N	LED off	Adjustment
∇ and N	∞ Ω	Adjustment	∇ and N	LED off	Adjustment
Before you start be sure the motor is not overheated → <b>Wait for 15 min</b> Connect the measurement to the motor wire with the ∞/ LED off Start with the adjustment on the motor, see picture "Motor Adjustment"					

**Interference**  
**(Radio contact lost):**  
Lift stopped by itself- hold the Remote Control closer to the controller!  
**Reason:**  
Most of all remote controls works on the same frequency 433MHz



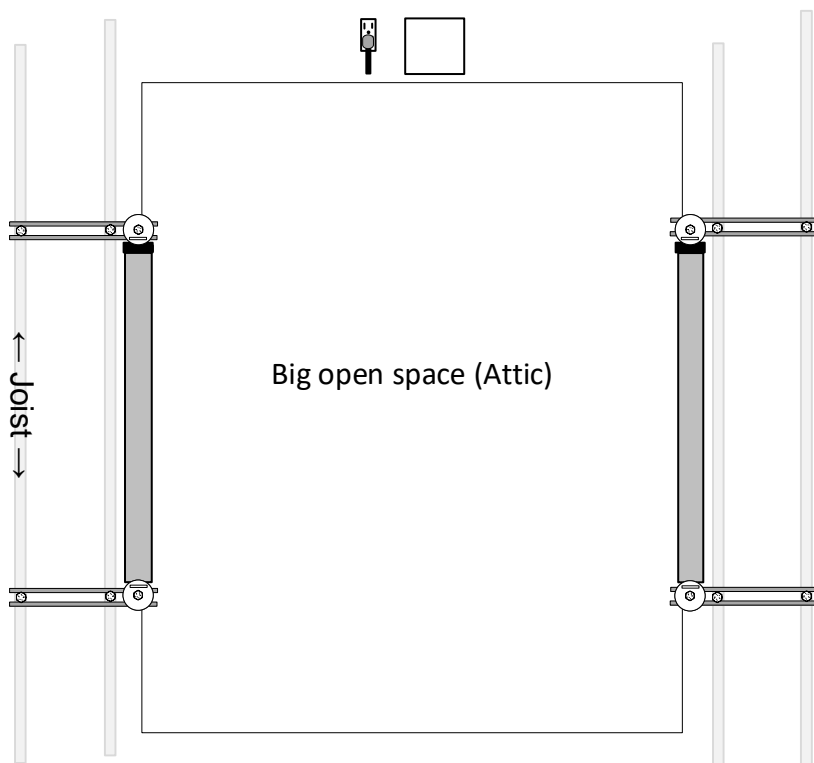
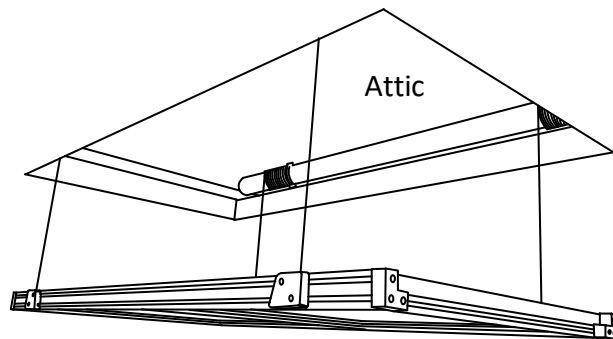
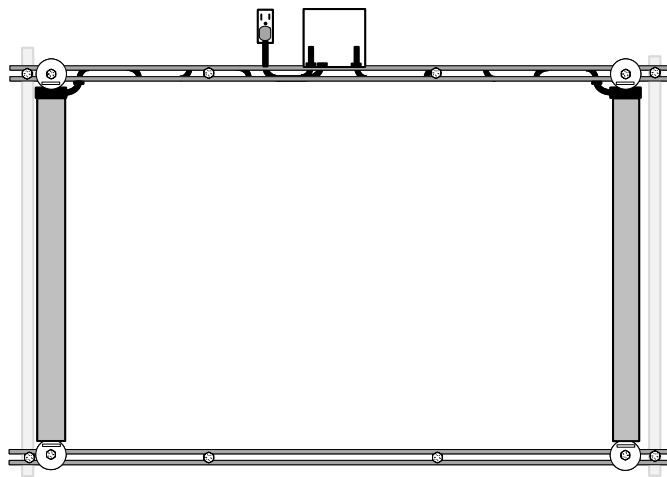
Running Time Preadjusted  
for 1.5 min



Switch on Controller	Indicator
Switch on the Controller, press power switch to the left	LED DL1 is lit
Programming the running time	Indicator
Press S3 run time button	LED DL2 starts to flash after 3 sec.
Hold S3 for 1:30min (max running time)	LED DL2 flashed and stopped release key
(You can program time between 10s and 1:30min) release key	e.g press S3, LED start to flash, hold for 30s, Running time is 30s now

Problems	Check
After switch on, LED DL1 is not lit	Is the plug connected to the outlet? Is the Outlet on a switch (and turned off)? Check the outlet works with an appliance. Check the wire connection. Disconnect the Controller from the outlet and check the fuses.

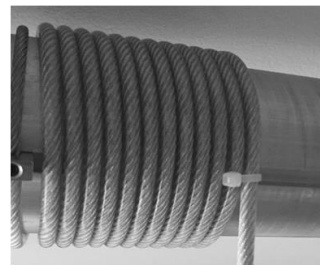
# Options



## Projects in which the wire rope lose tension



Wire rope wound up

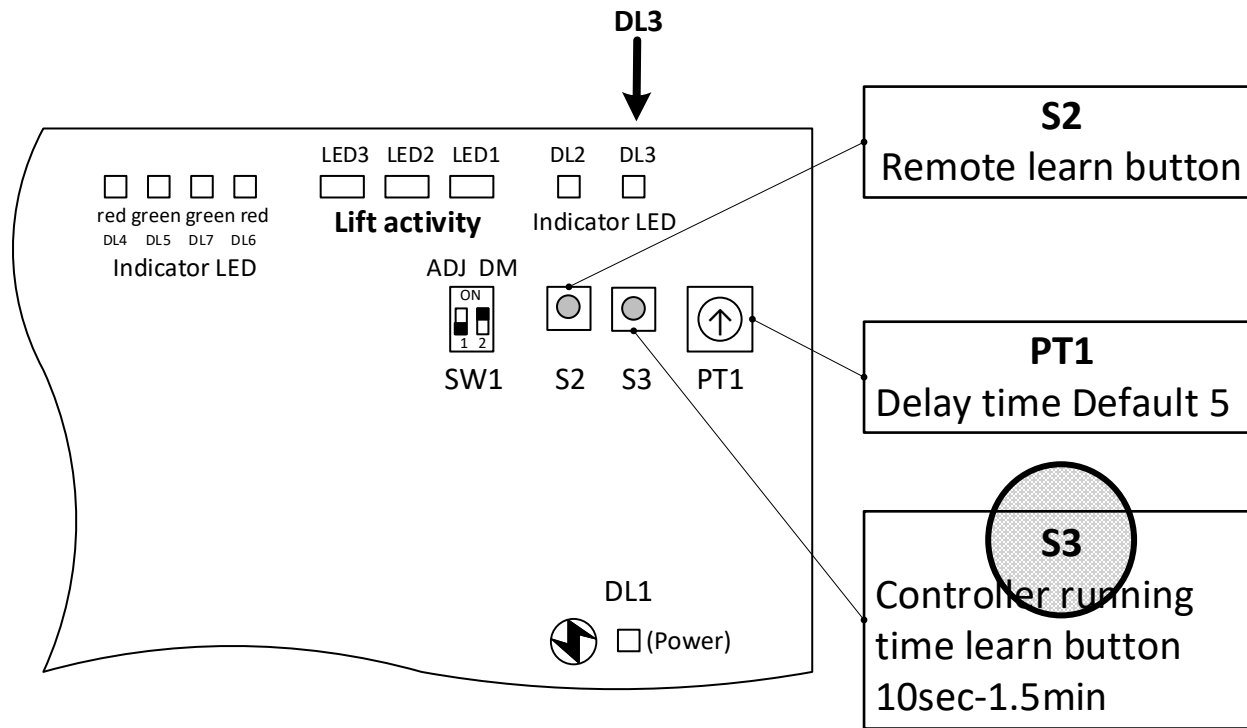


Maximum unwound  
Cable tie tightened around the last two turns



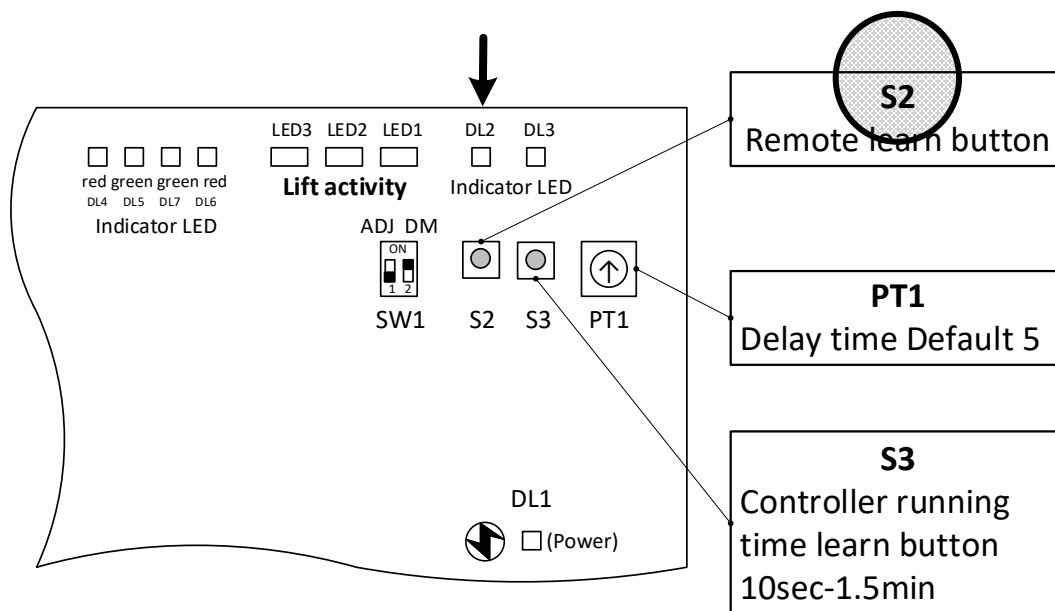
Even without tension the cable wraps are neatly side by side and no overlapping.

## Running Time Preadjusted for 1.5 min

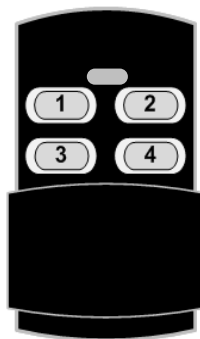


Switch on Controller	Indicator
Switch on the Controller, press power switch to the left	LED DL1 is lit
Programming the running time	Indicator
Press S3 run time button	LED DL3 starts to flash after 3 sec.
Hold S3 for 1:30min (max running time)	LED DL3 flashed and stopped release key
(You can program time between 10s and 1:30min) release key	e.g press S3, LED start to flash, hold for 30s, Running time is 30s now

Problems	Check
After switch on, LED DL1 is not lit	Is the plug connected to the outlet? Is the Outlet on a switch (and turned off)? Check the outlet works with an appliance. Check the wire connection. Disconnect the Controller from the outlet and check the fuses.



- 1 UP
- 2 Stop
- 3 Down
- 4 Learn



### Remotes are Pre-configured

