

# Manual

PCL-M350  
ML-350

PCL-X350  
XL-350



- Mounting instructions
- Montagevoorschrift
- Instructions de montage
- Montageanleitung

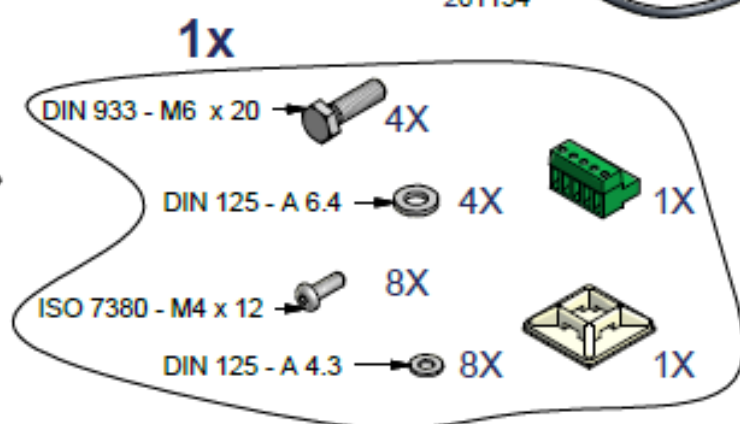
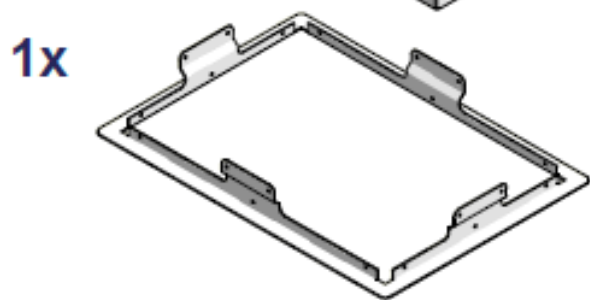
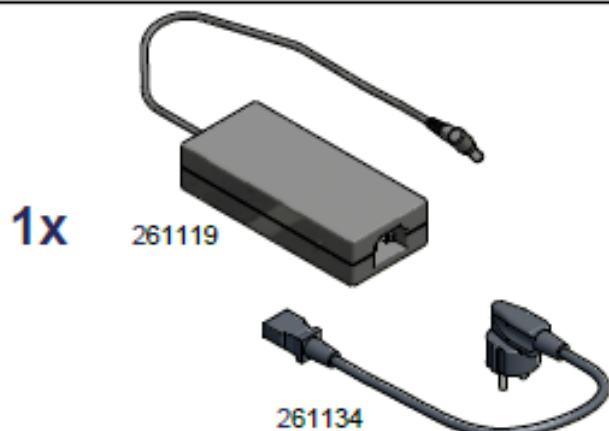
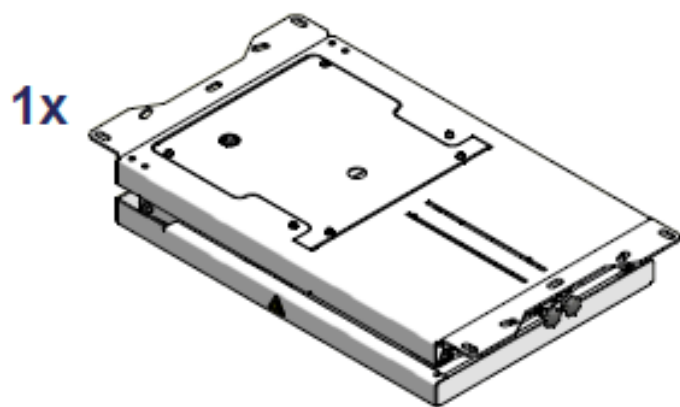
**Version 5.0**



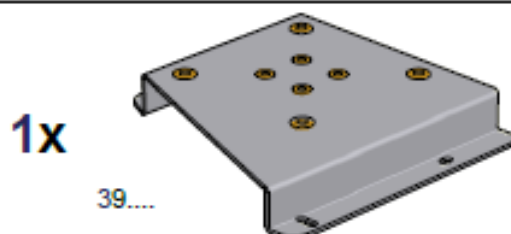
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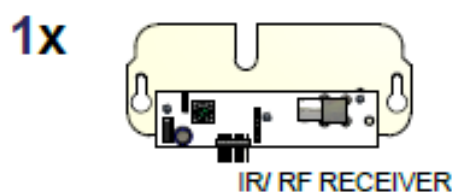
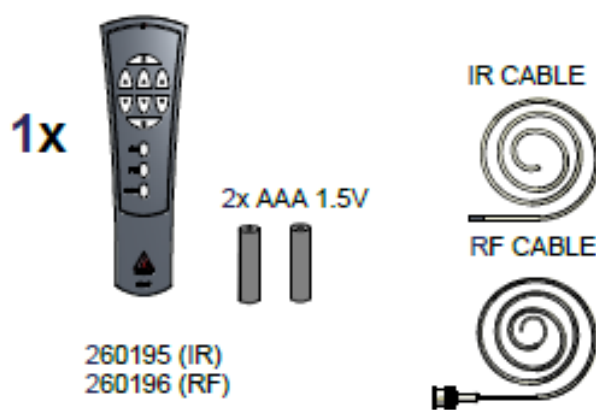
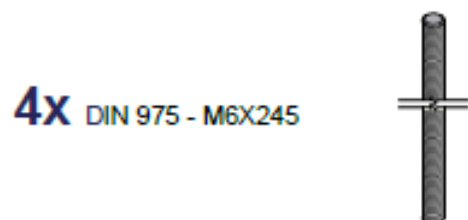
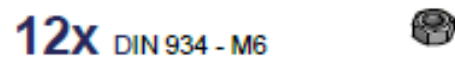
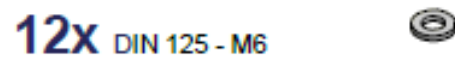
# Checklist / Controle lijst / Checkliste



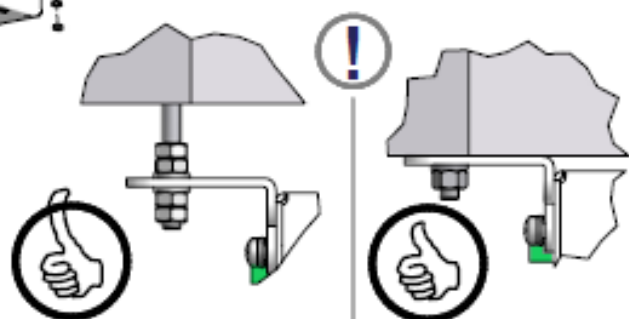
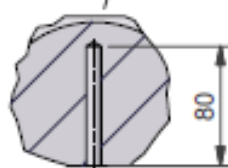
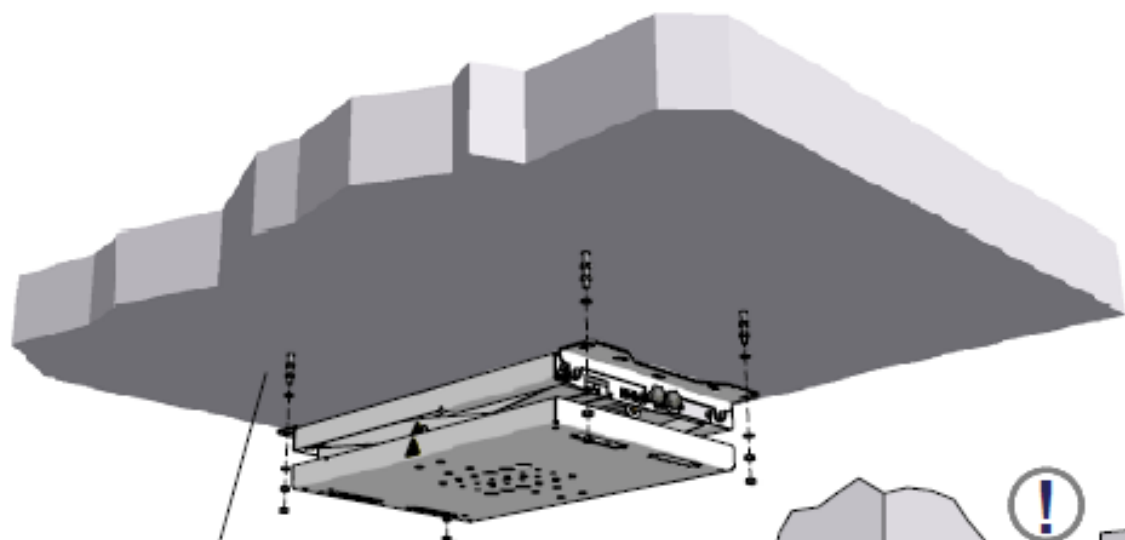
## Optional / Optioneel / Optionaal



## Remote Control / Afstandsbediening / Fernbedienung



# 1.

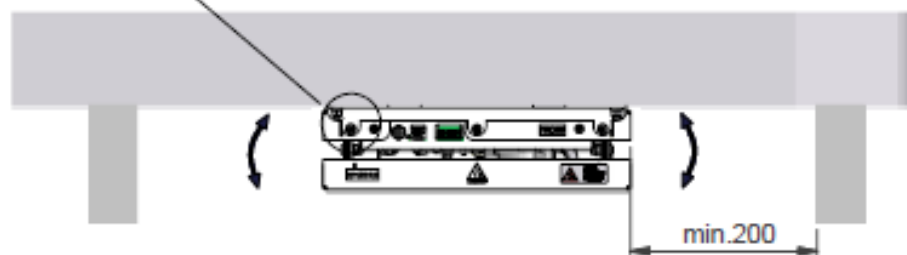
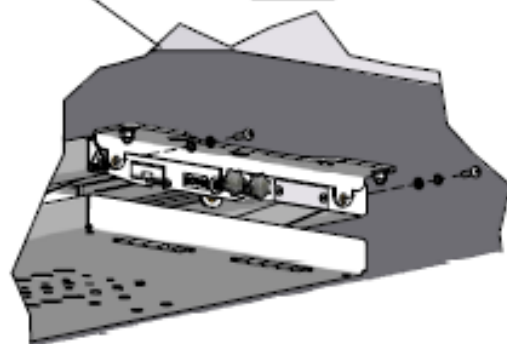
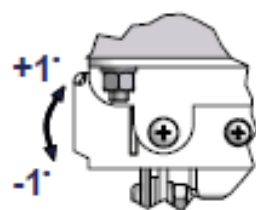
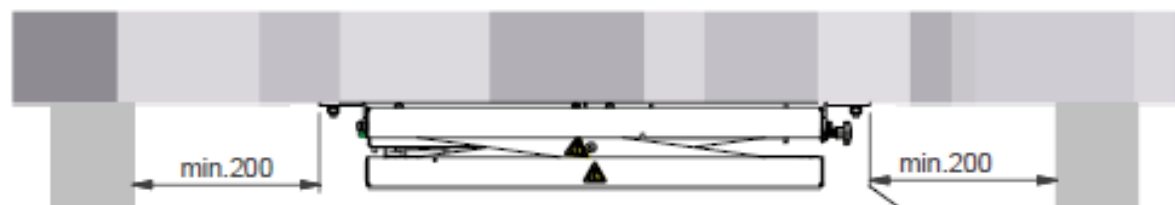


≥4x

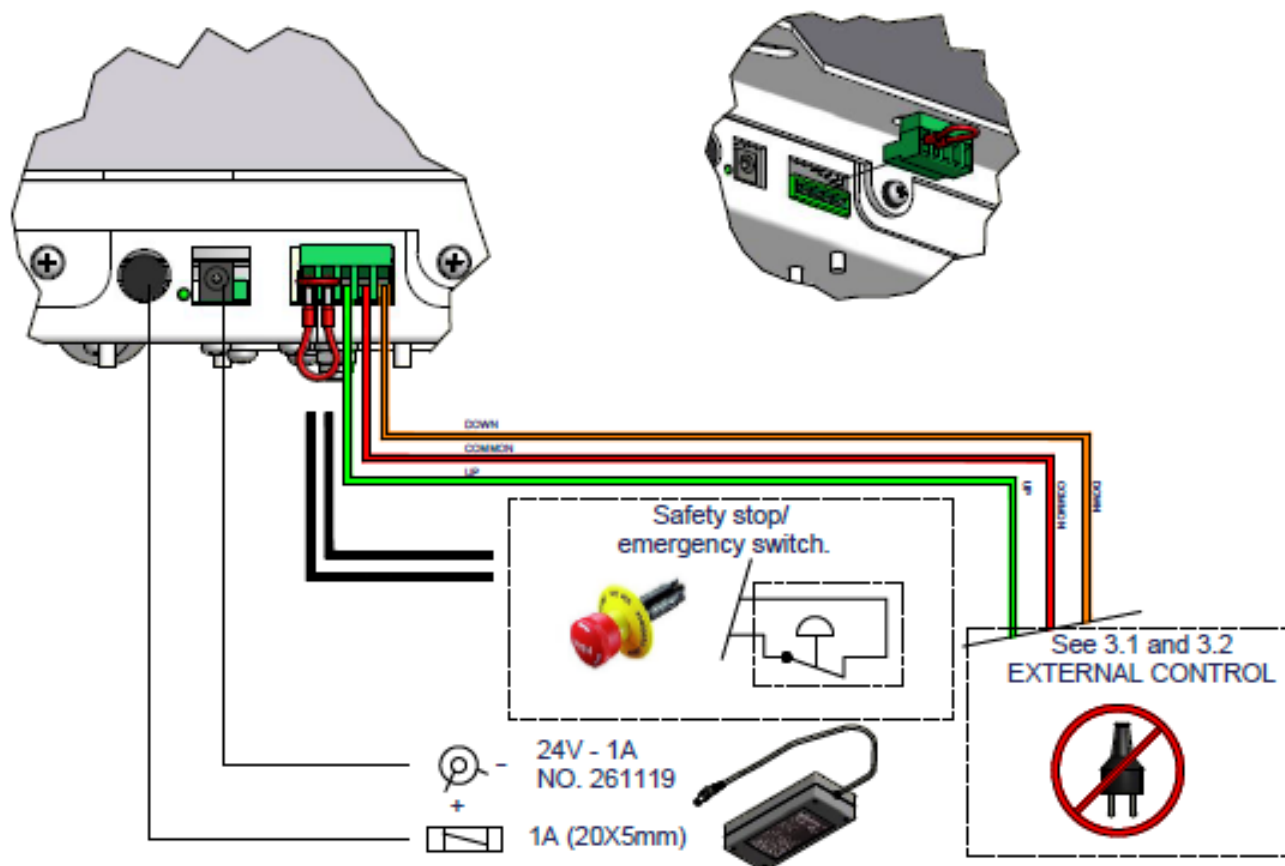
CONCRETE  
BETON  
BETON  
DIN 16268 - M6x75

WOOD  
HOLZ  
BOIS  
HOUT  
DIN 571 - M6x80

# 2.



# 3.



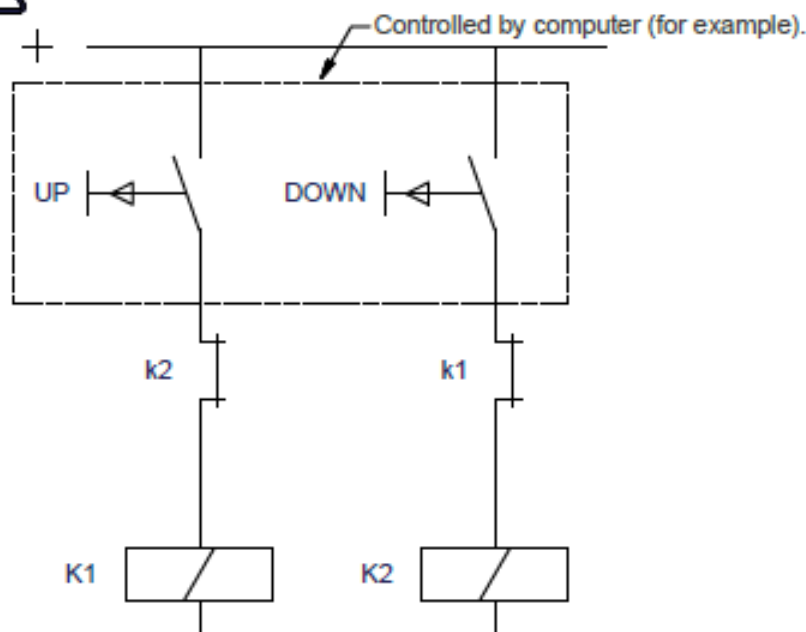
## 3.1 External control: control by relay.



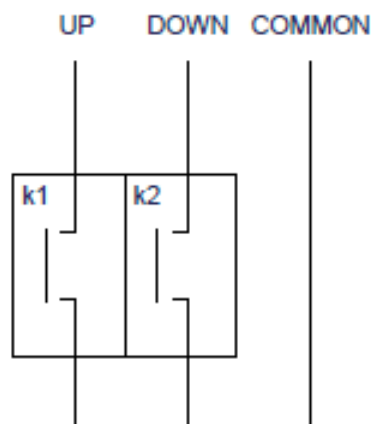
### WARNING:

The tension on these wires can be 12-24 VDC

Note: to control the system pulse or constant, and adjust the maximum power, please see 'appendix'.



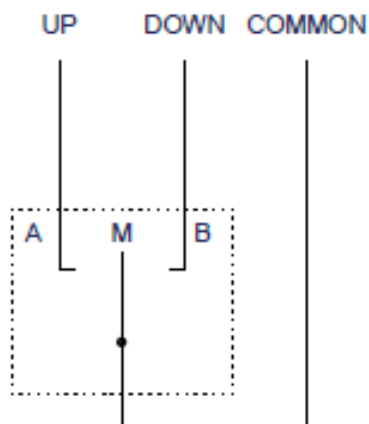
External cable control box



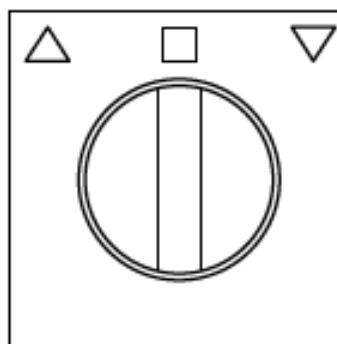
-K1 and K2 are relays.  
-k1 and k2 are relays.

## 3.2 External control: control by wall switch.

External cable control box  
(not the motor control box!)

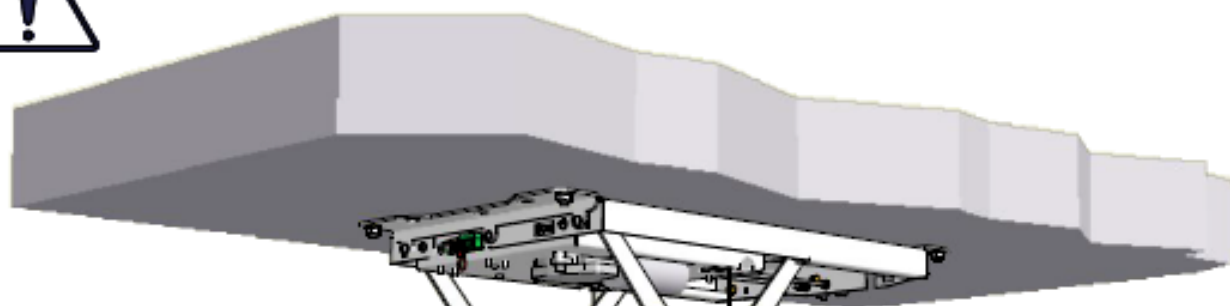


Wall switch  
(with neutral position)  
(not supplied)

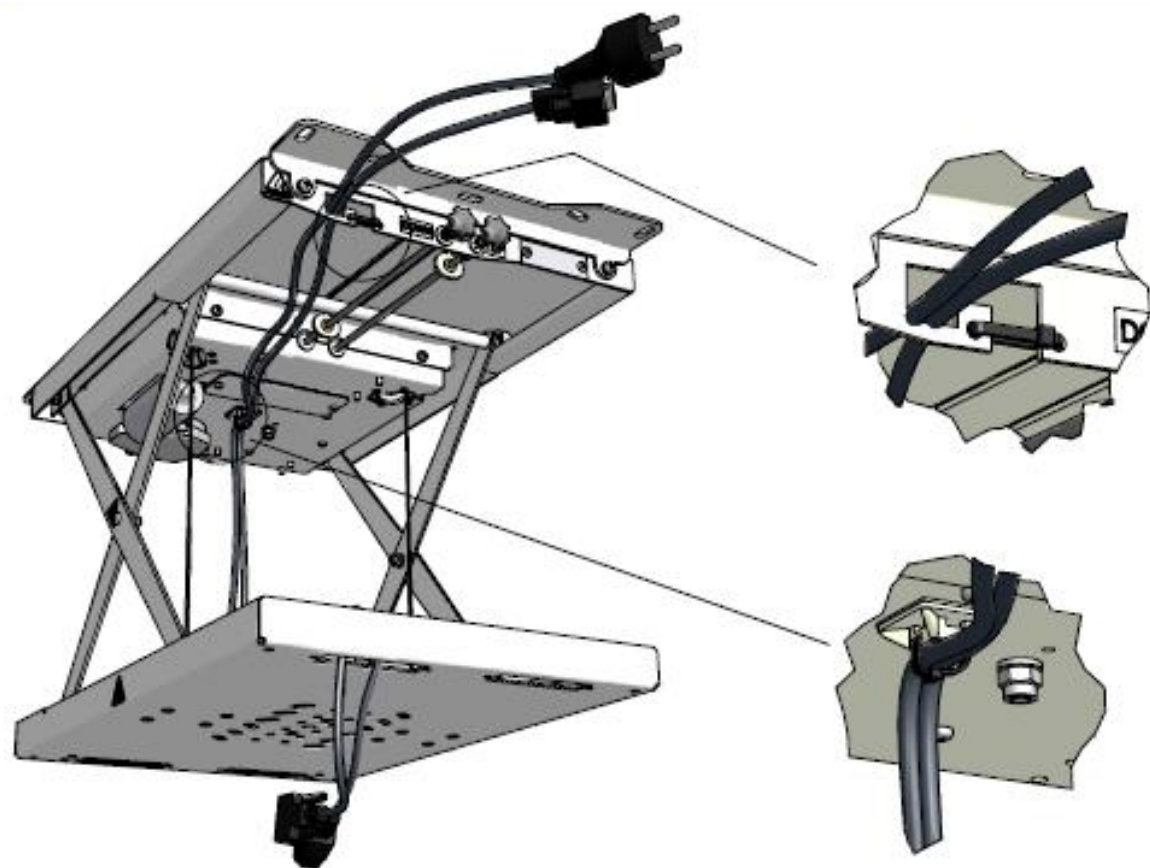


- A and B are potential free contacts.
- A: up or down.
- B: down or up.
- M: middle position (!).

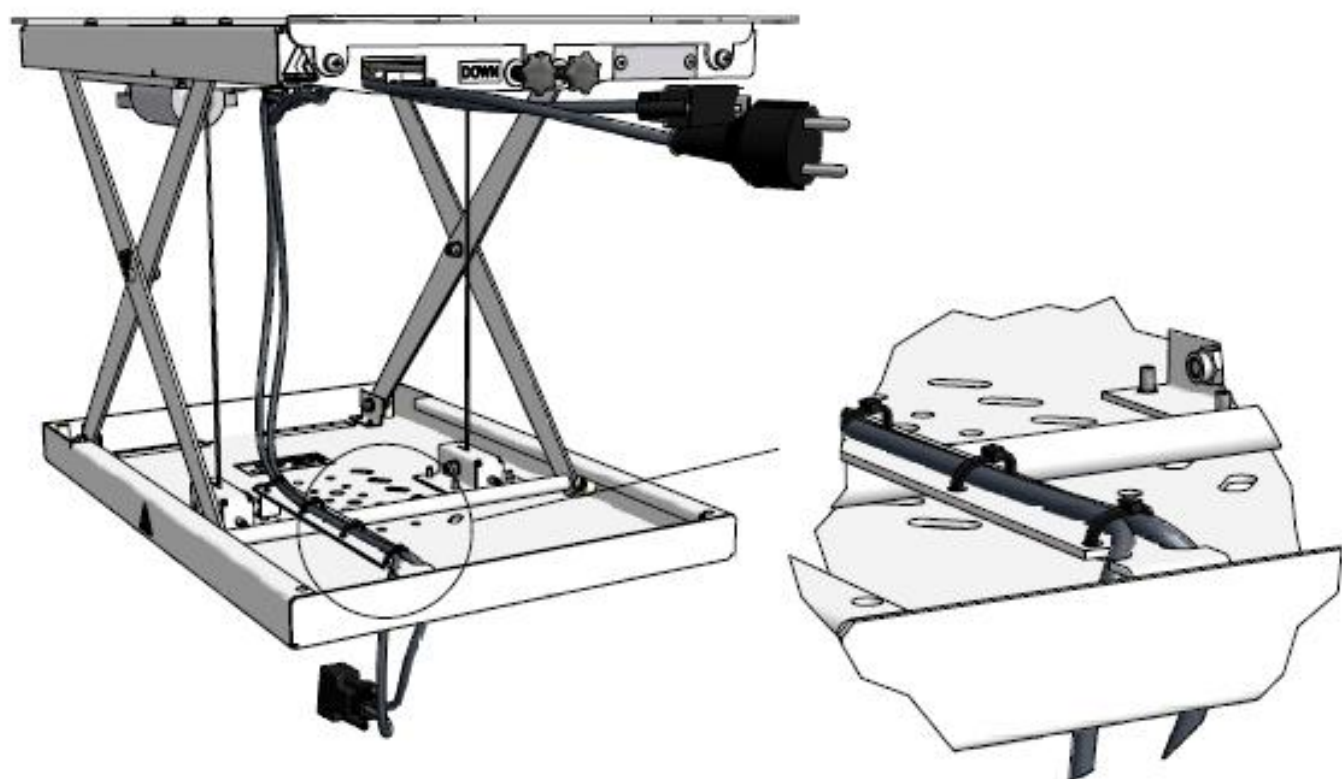
4.



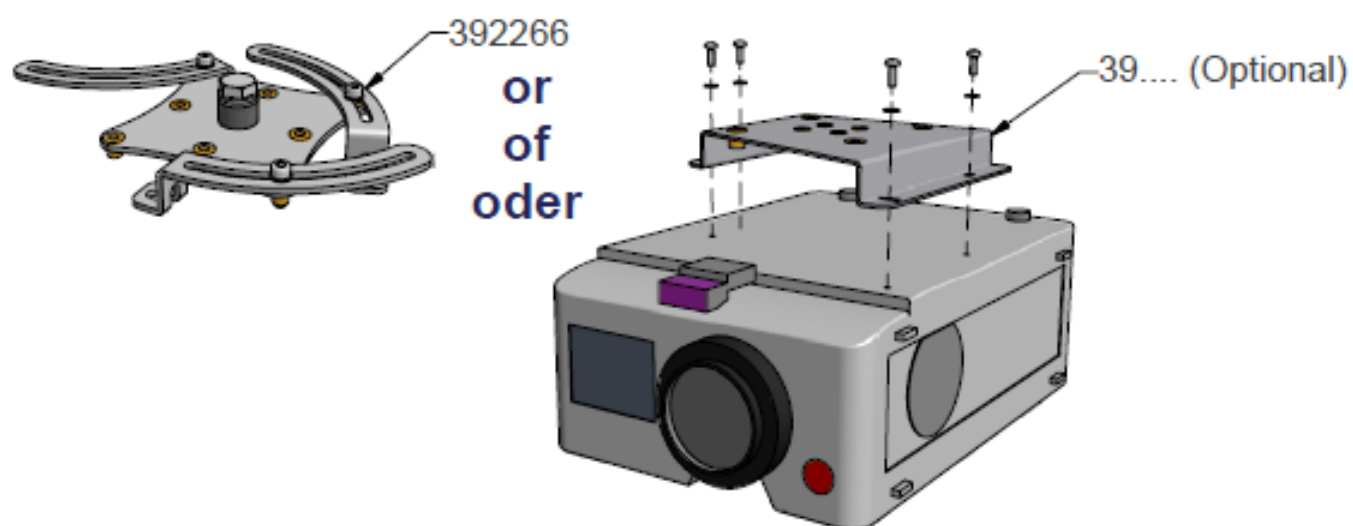
5.



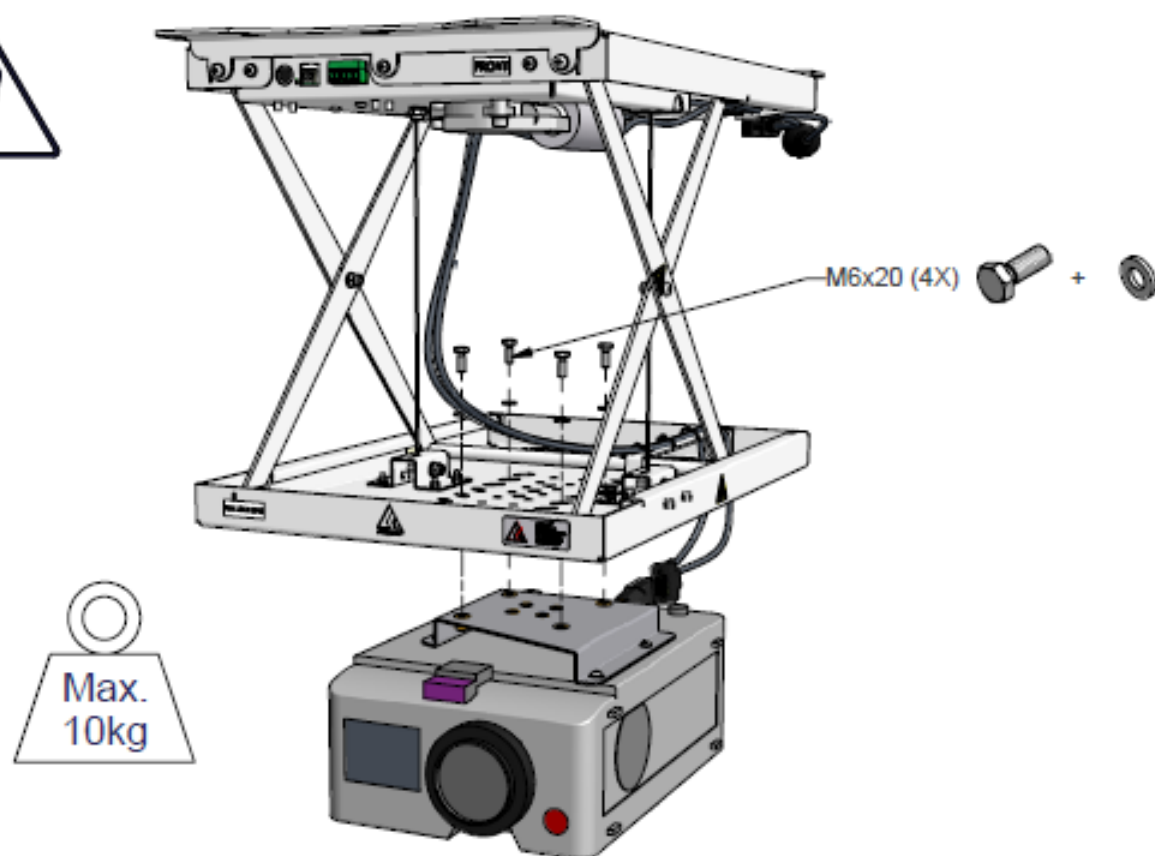
6.



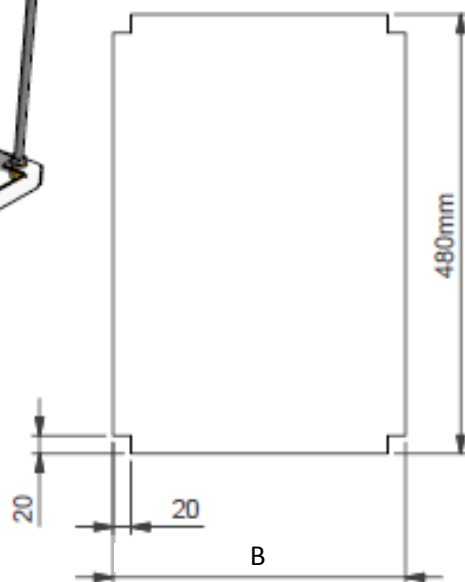
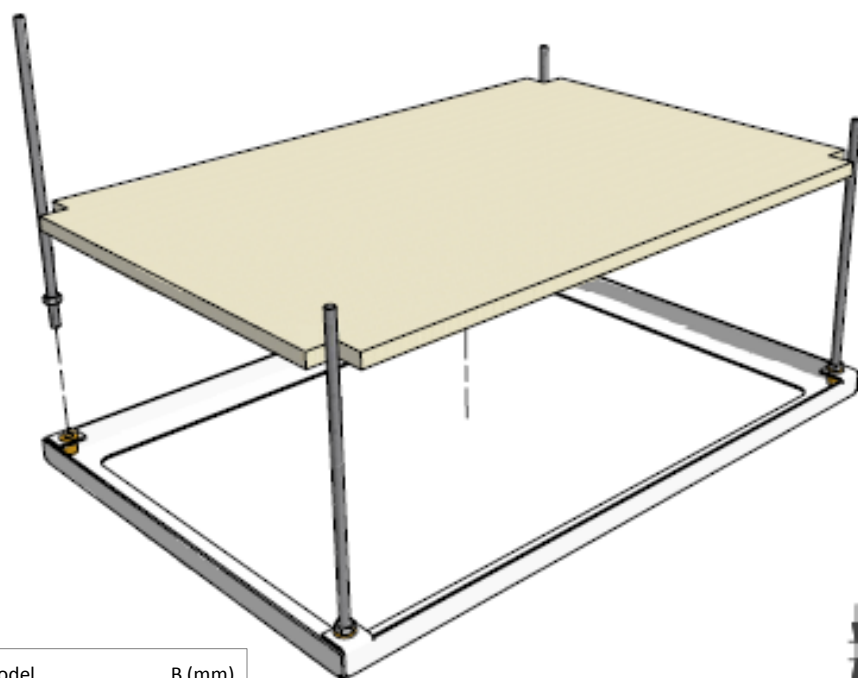
7.



8.

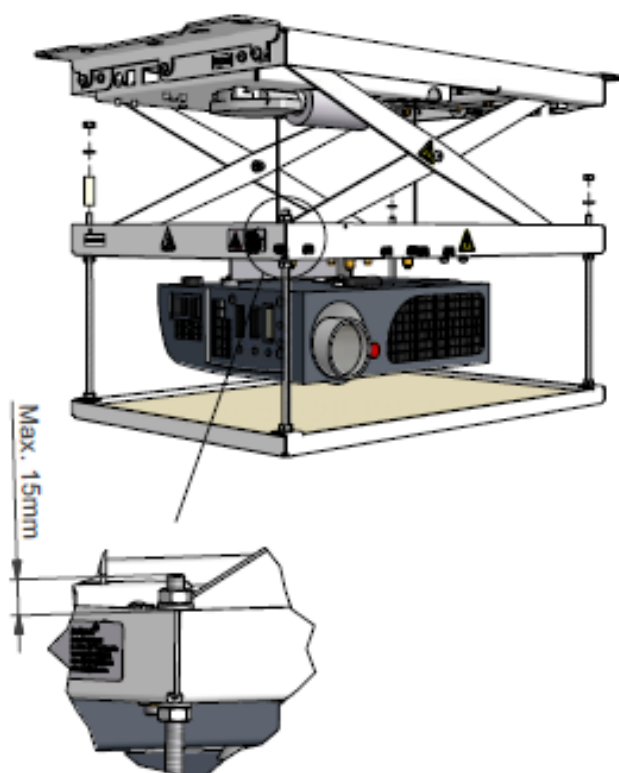
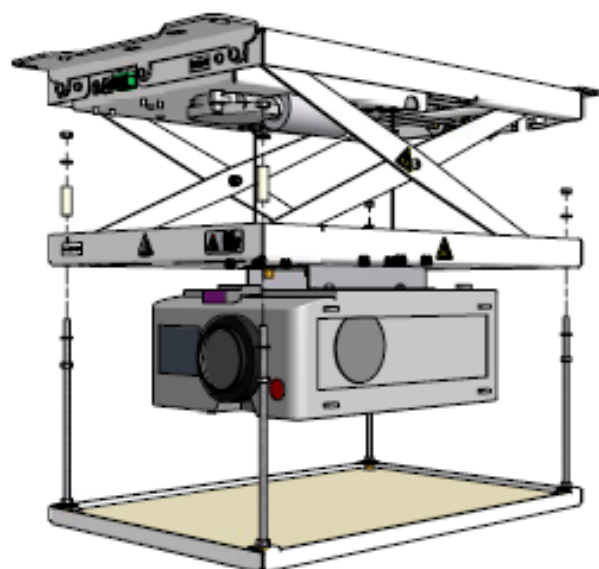


# 9.



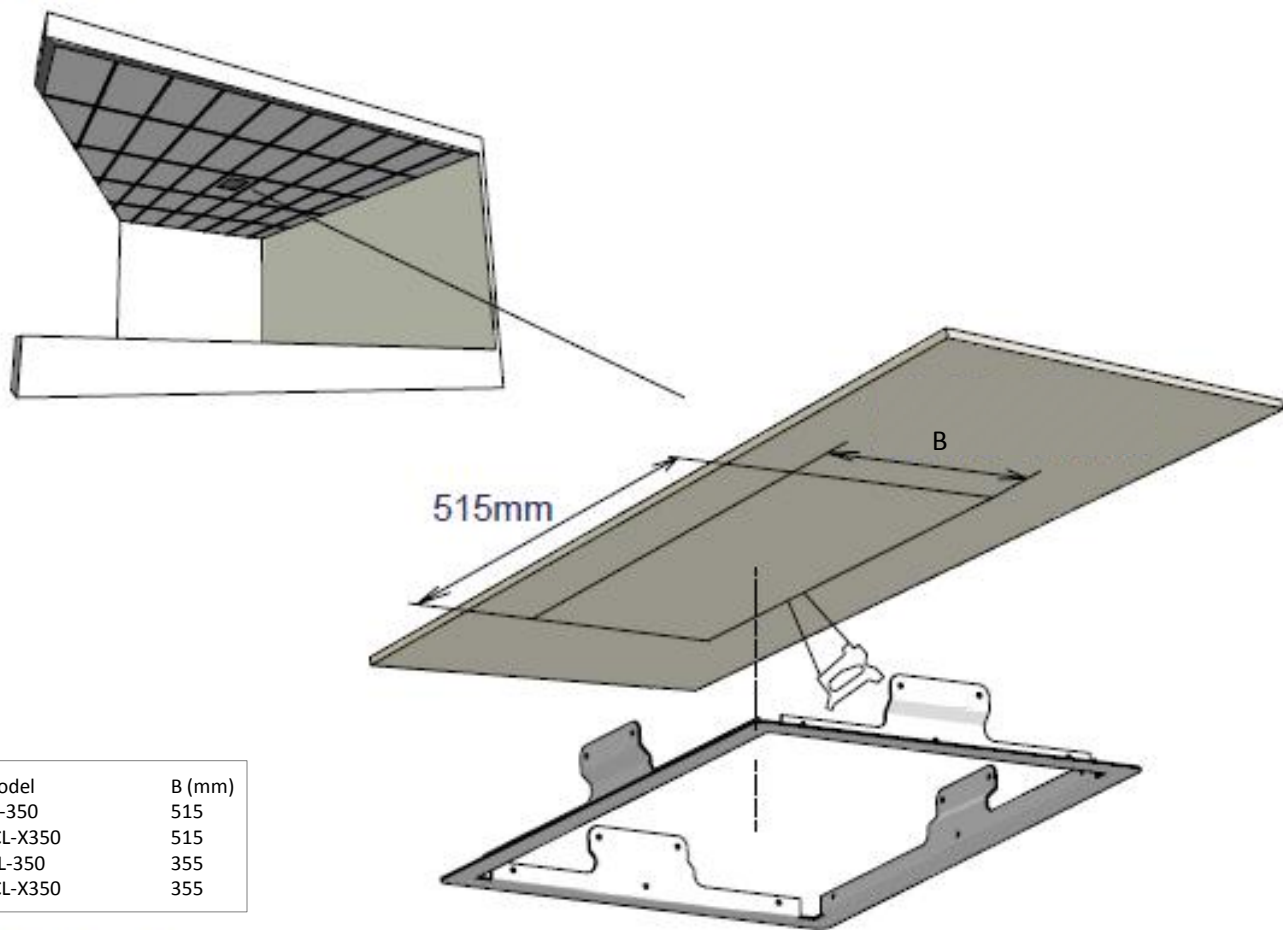
Model	B (mm)
XL-350	480
PCL-X350	480
ML-350	320
PCL-M350	320

# 10.



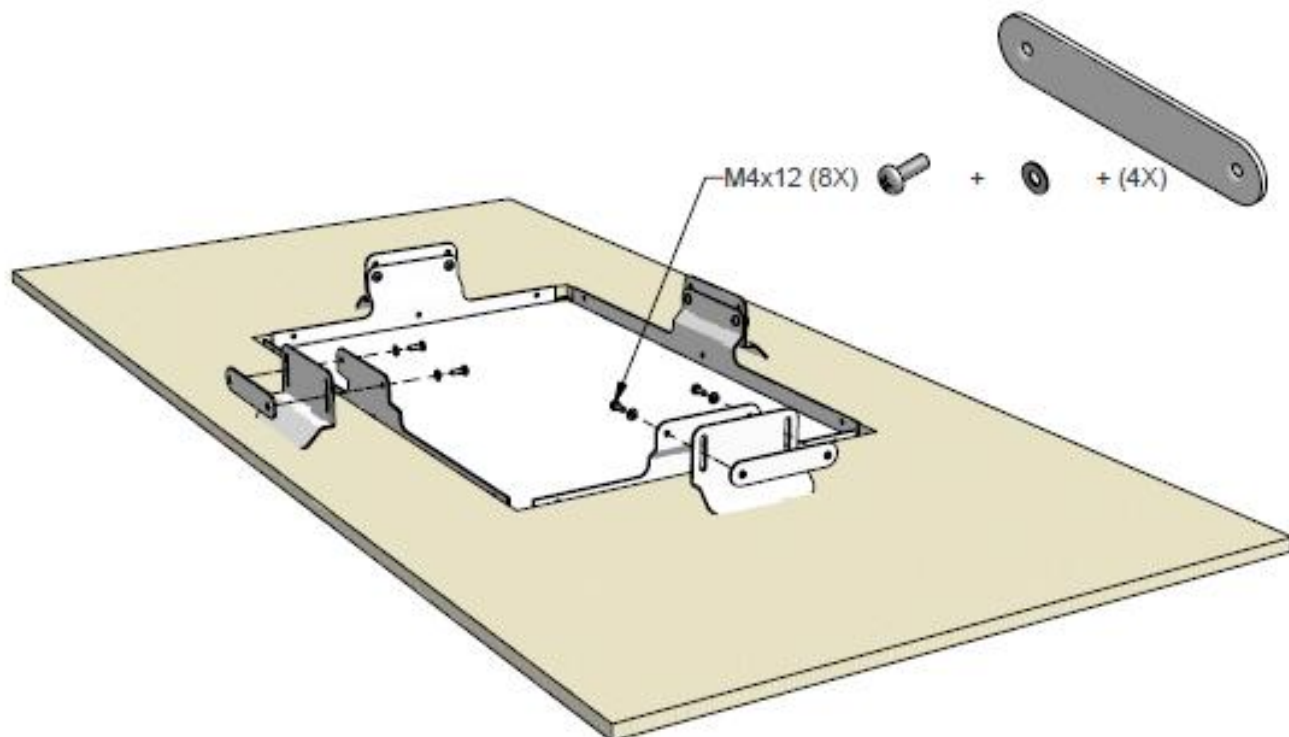


# 11.1.

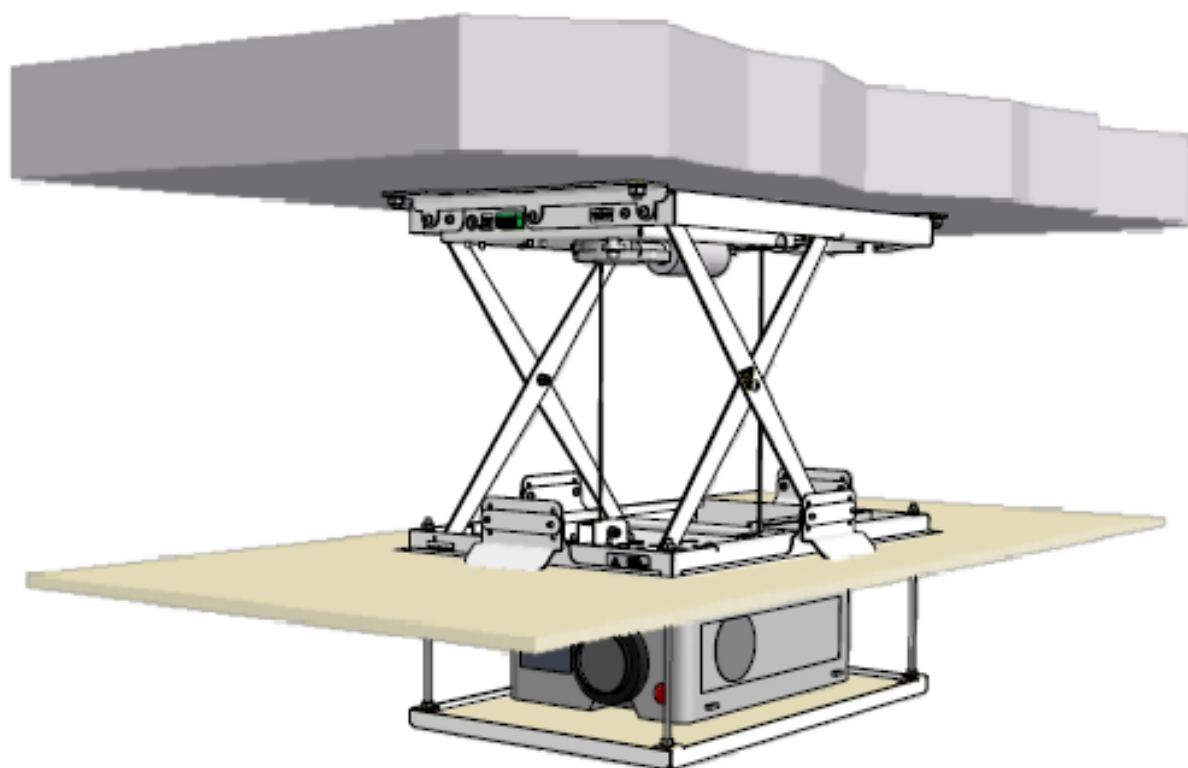


Model	B (mm)
XL-350	515
PCL-X350	515
ML-350	355
PCL-X350	355

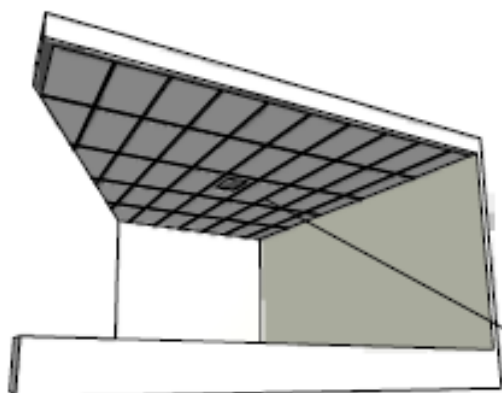
# 11.1.1.



## 11.1.2.

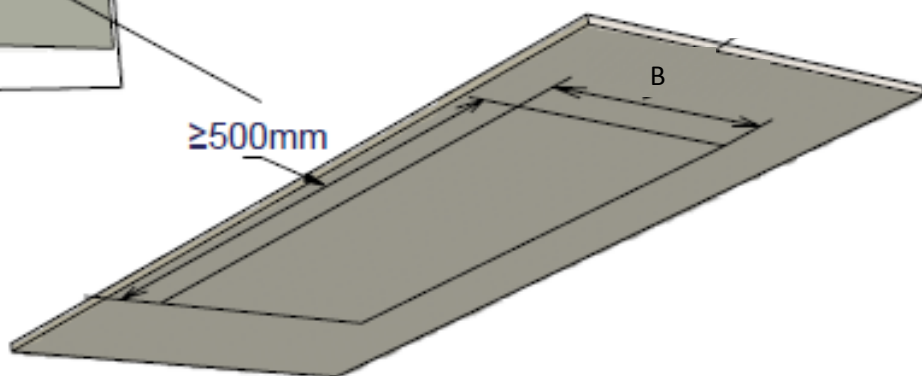


## 11.2.

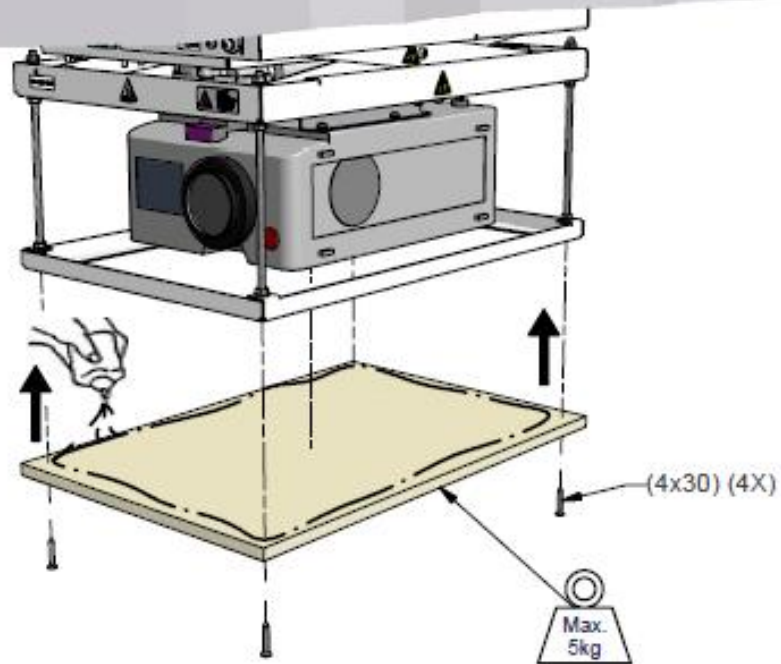


Model	B (mm)
XL-350	>500
PCL-X350	>500
ML-350	>340
PCL-M350	>340

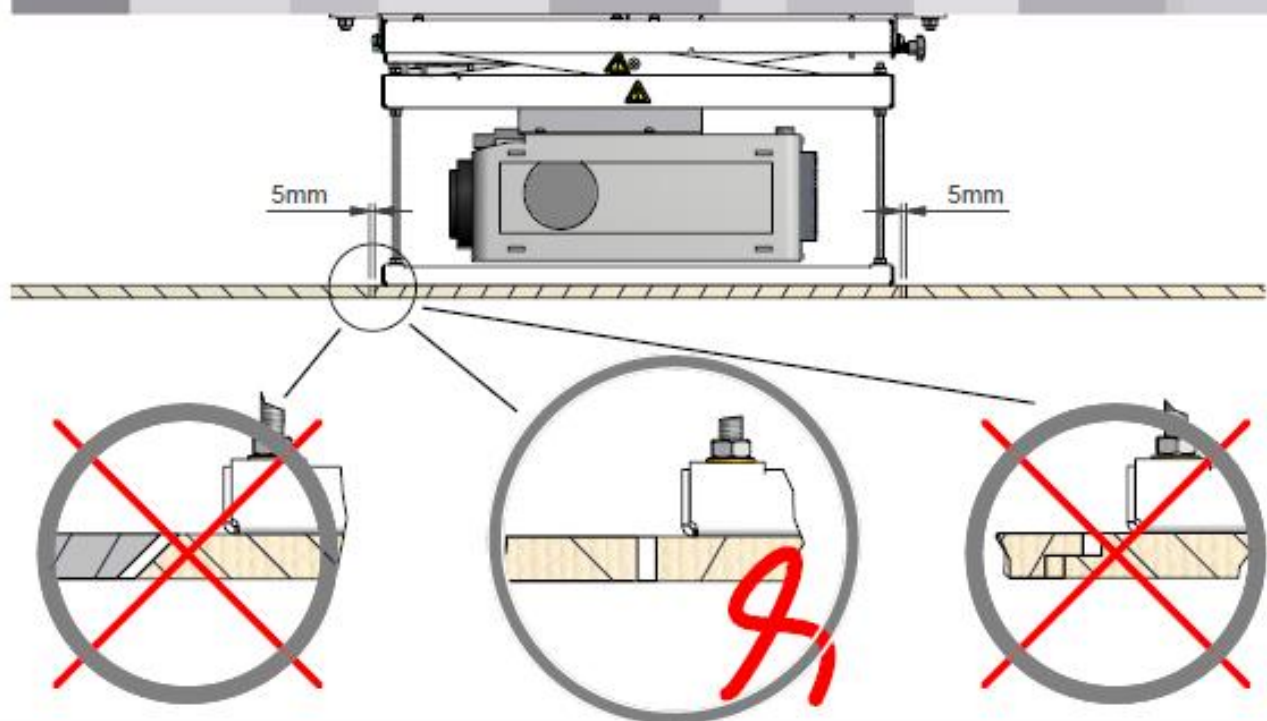
≥500mm



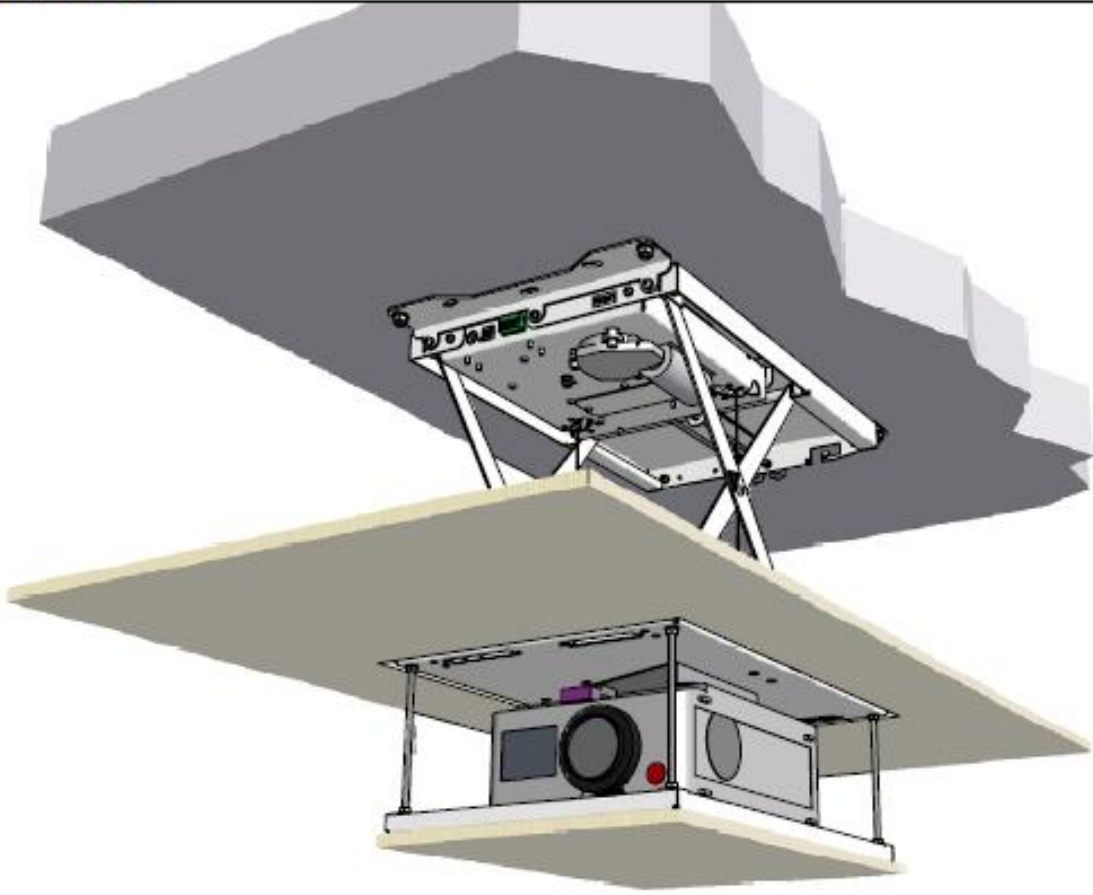
## 11.2.1.



## 11.2.2.

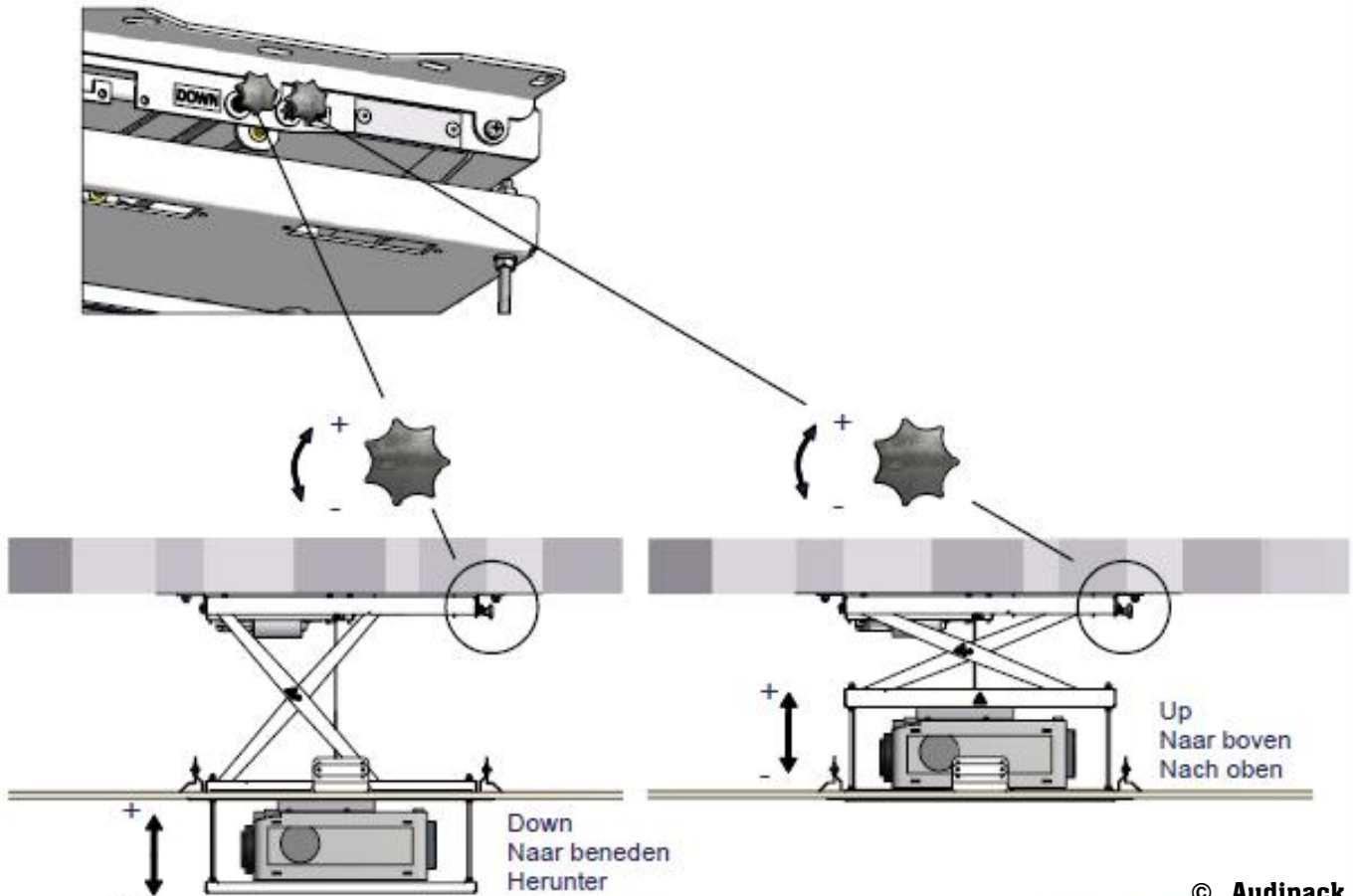


# 11.2.3.



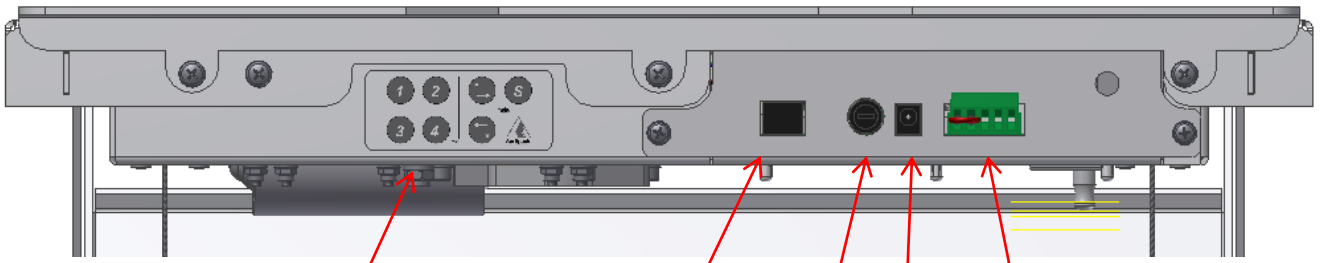
# 12.

*ML-350 and XL-350 only*



# 12.1

## PCL-M350 and PCL-X350 only



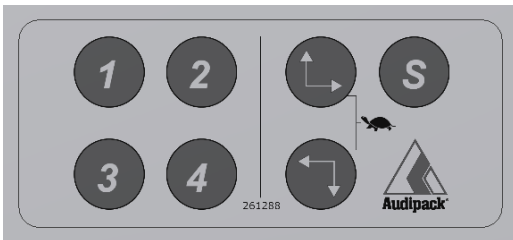
Keyboard

RS232 connection  
(RJ45)

Fuse

24 VDC in

Control connector  
(loop + 1 + 2)



### NEW RS232 control for PCL lift systems

Connecting the Mirror-Kit.

For first use, the lift can be used to control the travel and build-in height. Use the arrows to do so.

For external control use at least 0,5-0,75 mm wires for long distances up to 15 meters in combination with a relay per each direction / position.

*Use the extra booklet for RS232 instructions.*

**S** = store function, hold & pres with 1 ,2,3 or 4 for storing the position

**Arrow up** = Up direction for finding the build-in height position.

**Arrow down** = Down direction for finding the projection position.

**1** = Preset / programmed position build-in position (closed). Use this contact for external permanent control with contact relay.

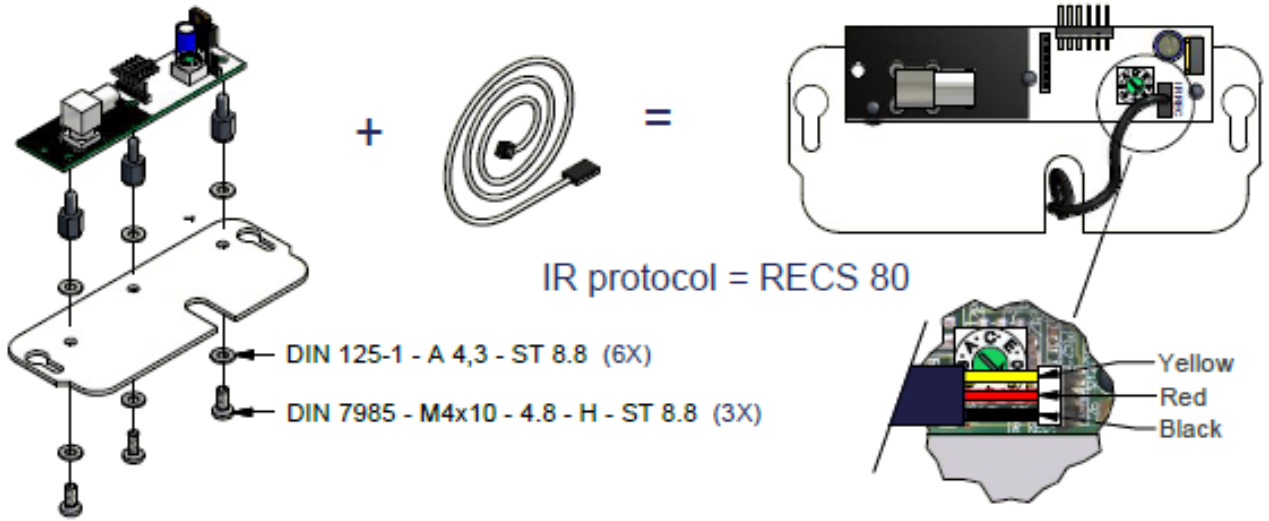
**2** = Preset / programmed position of presentation position.  
Use this contact for external permanent control with contact relay.

**3 & 4** can be used as additional positions (only through RS232)

**S** = Common, use in combination with contacts 1 -4.

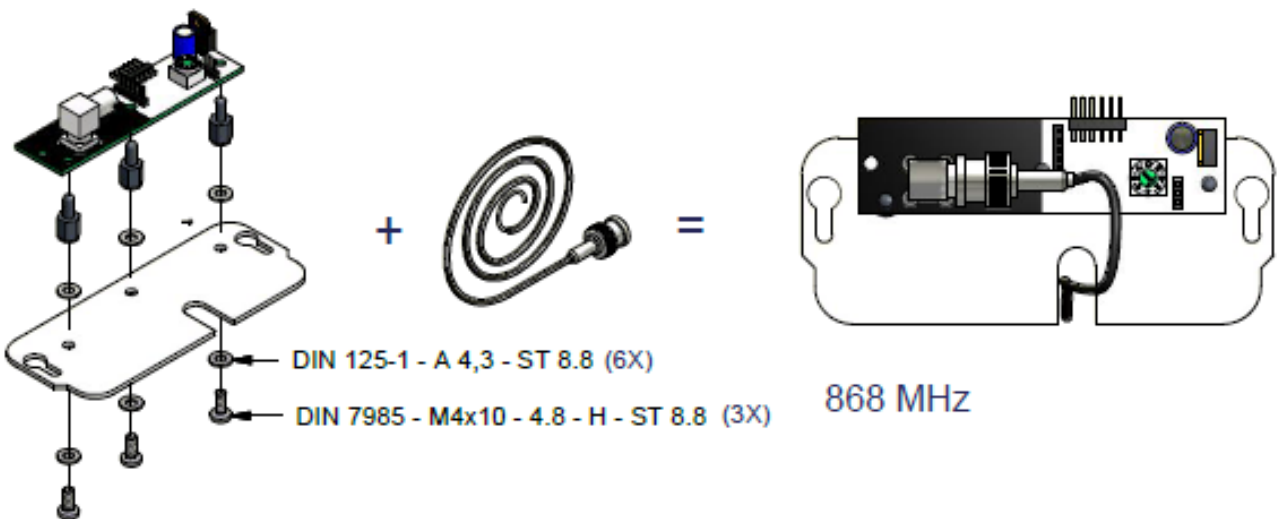
# 13.

Optional IR remote IR-12 part. No. 260211. ML-350 & XL-350 only

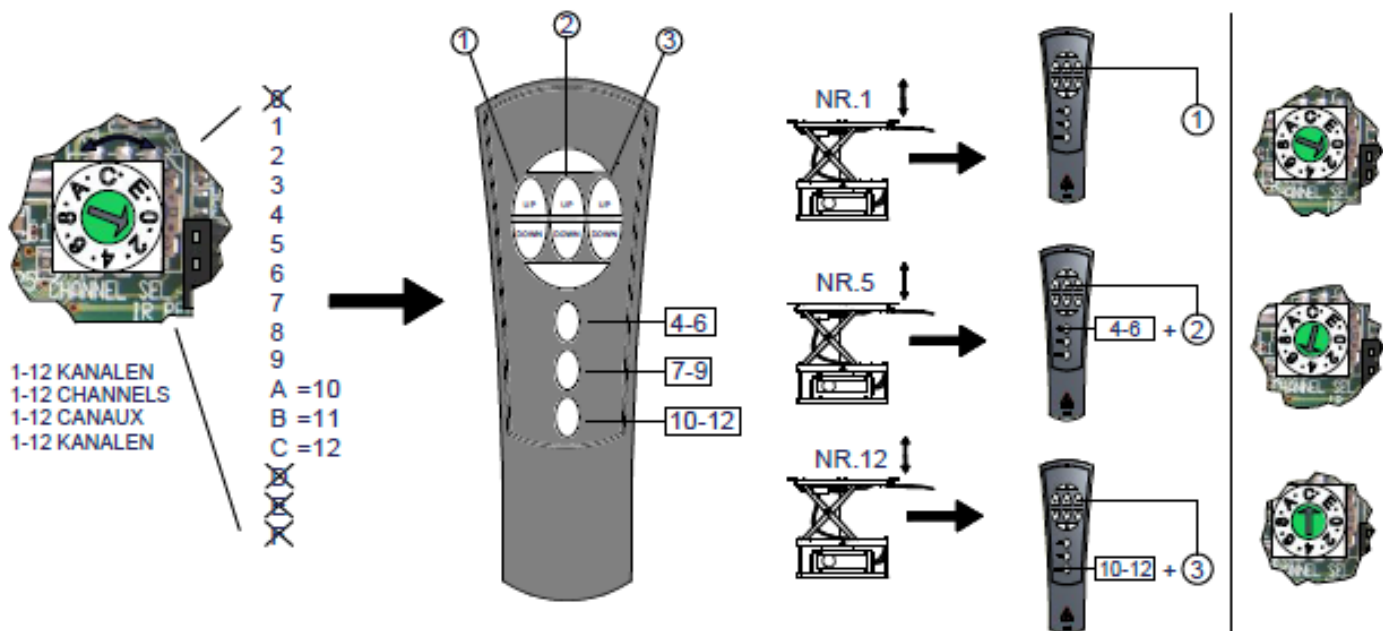


# 14.

Optional RF remote RF-12 part. No. 260213. ML-350 & XL-350 only

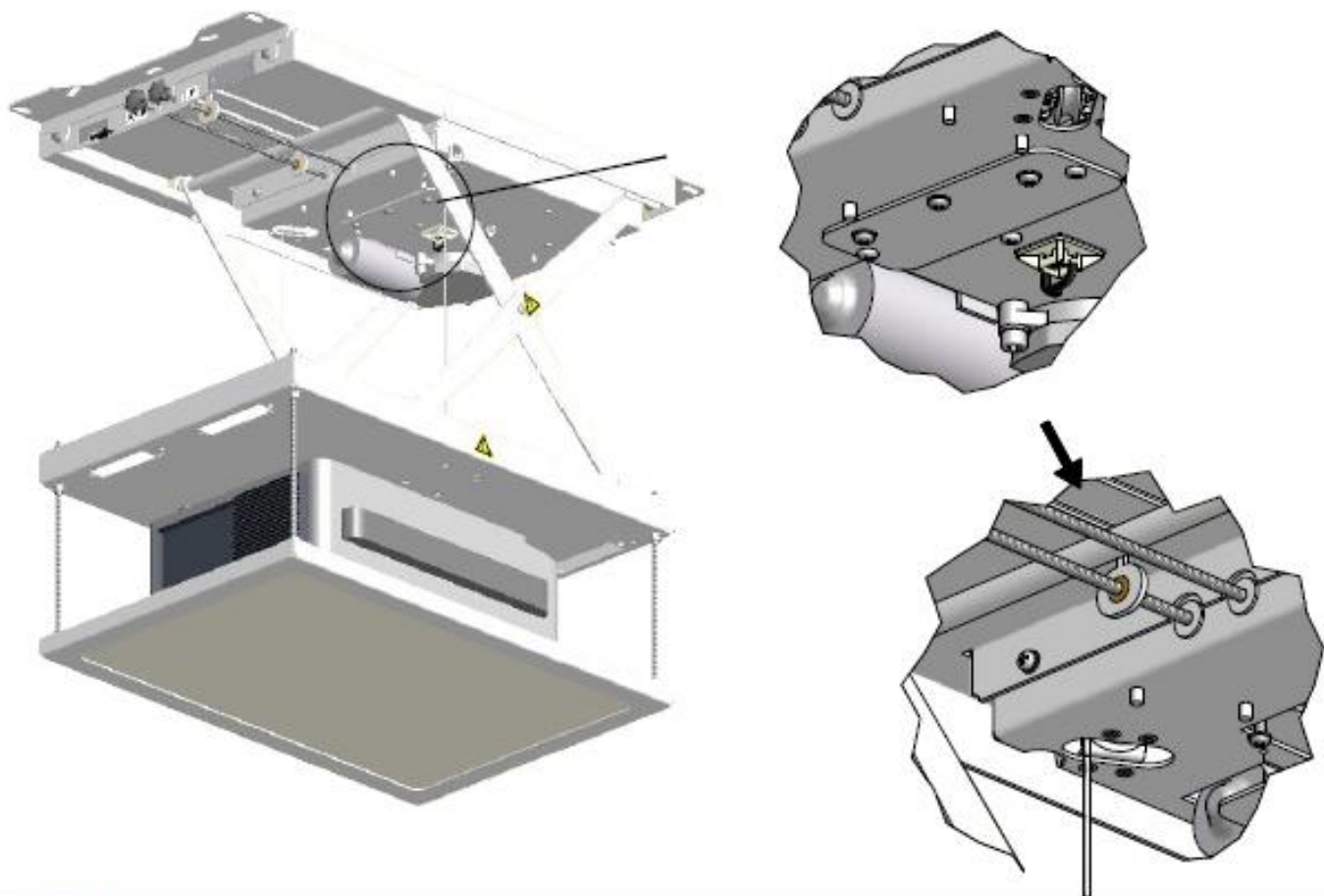


# 15.



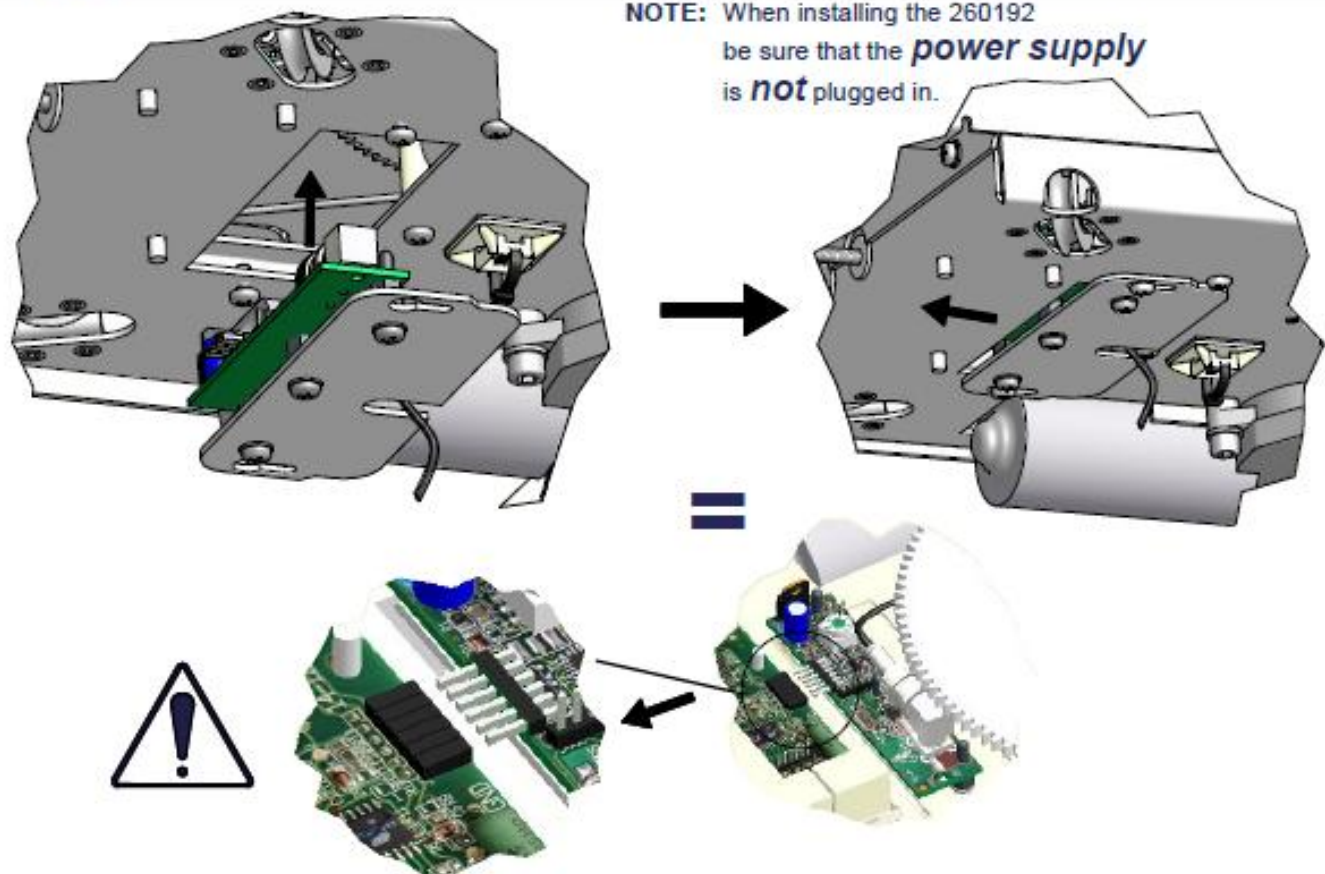
# 16.

## ML-350 and XL-350 only



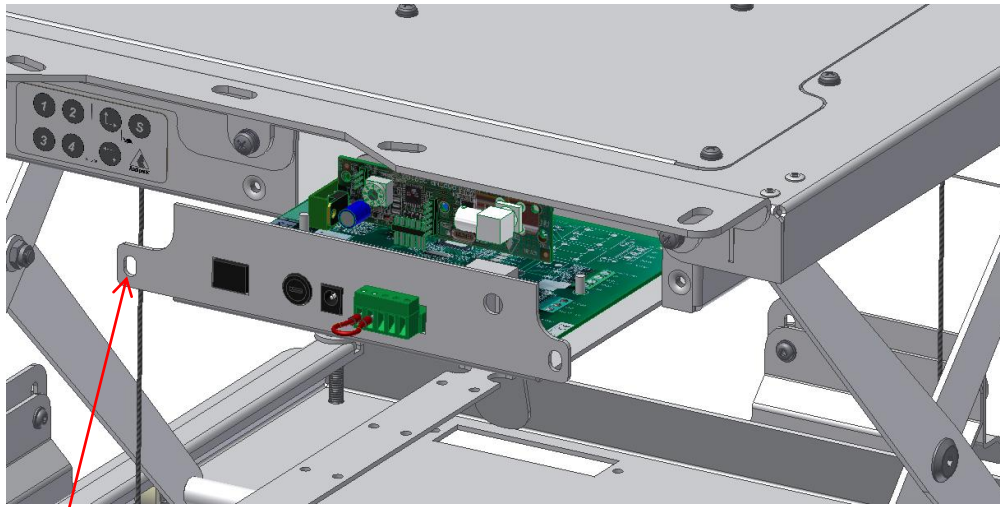
# 17.

**NOTE:** When installing the 260192 be sure that the **power supply** is **not** plugged in.



# 18.

## Remote control PCL-M350 and PCL-X350 only



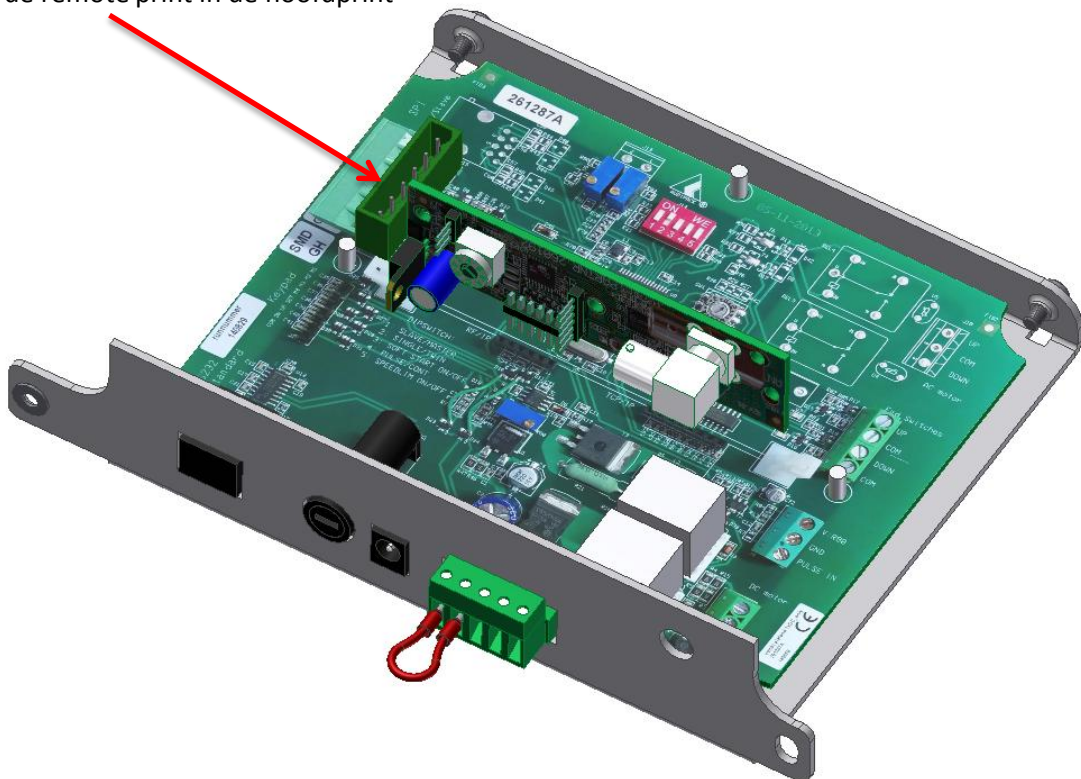
1.  
Remove 2 screws  
Verwijder 2 schroeven  
Entfernen Sie den 2  
Schrauben

2.  
Slide out motor board  
Schuif de motorprint eruit  
Ziehen Sie den Motorplatine aus

3.  
Insert remote PCB  
Steek de remote print in de houder  
Stecken Sie den Fernbedienung im Platine

Optional RF remote RF-12 part. No. 260213. PCL-M350 & PCL -X350 only  
Optional IR remote IR-12 part. No. 260214. PCL-M350 & PCL-X350

Insert remote PCB in main board  
Stecken Sie den Empfänger in den haubt PCB  
Steek de remote print in de hoofdprint







Lees eerst deze gebruiksaanwijzing in zijn geheel door voordat u de installatieprocedure start!

1. Steek de stekker van het product, nadat deze volgens de installatie-instructies is gemonteerd, in het stopcontact
2. De ontvanger blijft 1 minuut in de 'Ontvangst'-modus staan
3. Druk binnen deze minuut tegelijk de knoppen 4-6, 7-9 en 10-12 in
4. De ontvanger wordt nu gekoppeld aan de signalen van deze afstandbediening
5. Herhaal stappen 1-4 indien u meerdere producten met dezelfde afstandbediening wilt bedienen

NOTE: Bij stroomuitval: Nadat de stroom hersteld is 60 seconden wachten met het geven van commando's met de handbediening. Na 60 seconden functioneert de bediening weer volgens de laatste instellingen.

Please read these instructions entirely before commencing the installation procedure!

1. Put the plug of the product into the powerpoint, after having connected the plug following the instruction manual
2. The receiver stays in 'Reception'-mode for 1 minute
3. During this minute, press buttons 4-6, 7-9 and 10-12 all at the same time
4. The receiver is being linked to this remote control
5. Repeat steps 1-4 if you want to control more products with the same remote control

NOTE: Power failure: after power is restored, please wait for 60 seconds before sending new commands by hand transmitter. After 60 seconds, the controls will function again according to the latest adjustments.



Bitte lesen Sie diese Gebrauchsanweisung im ganzen bevor Sie die Installation anfangen!

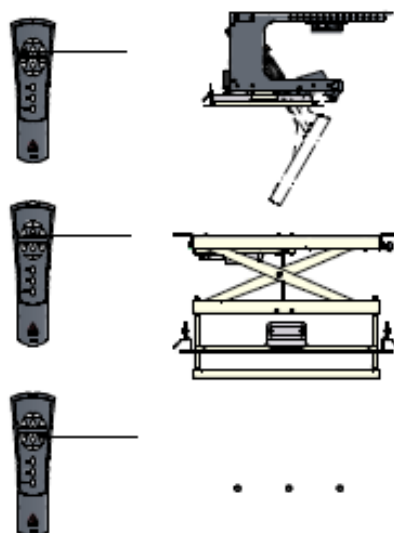
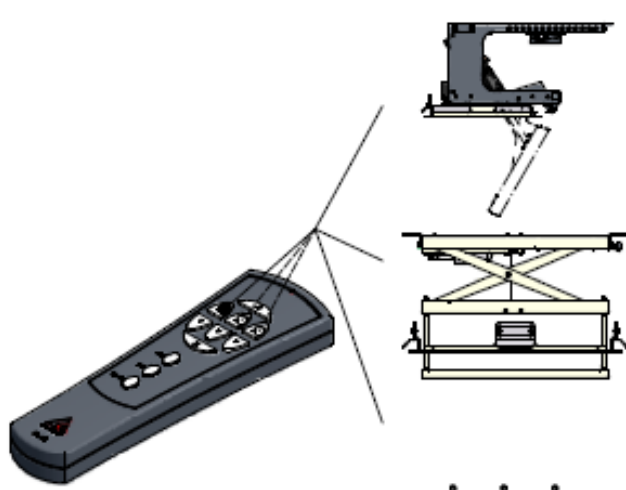
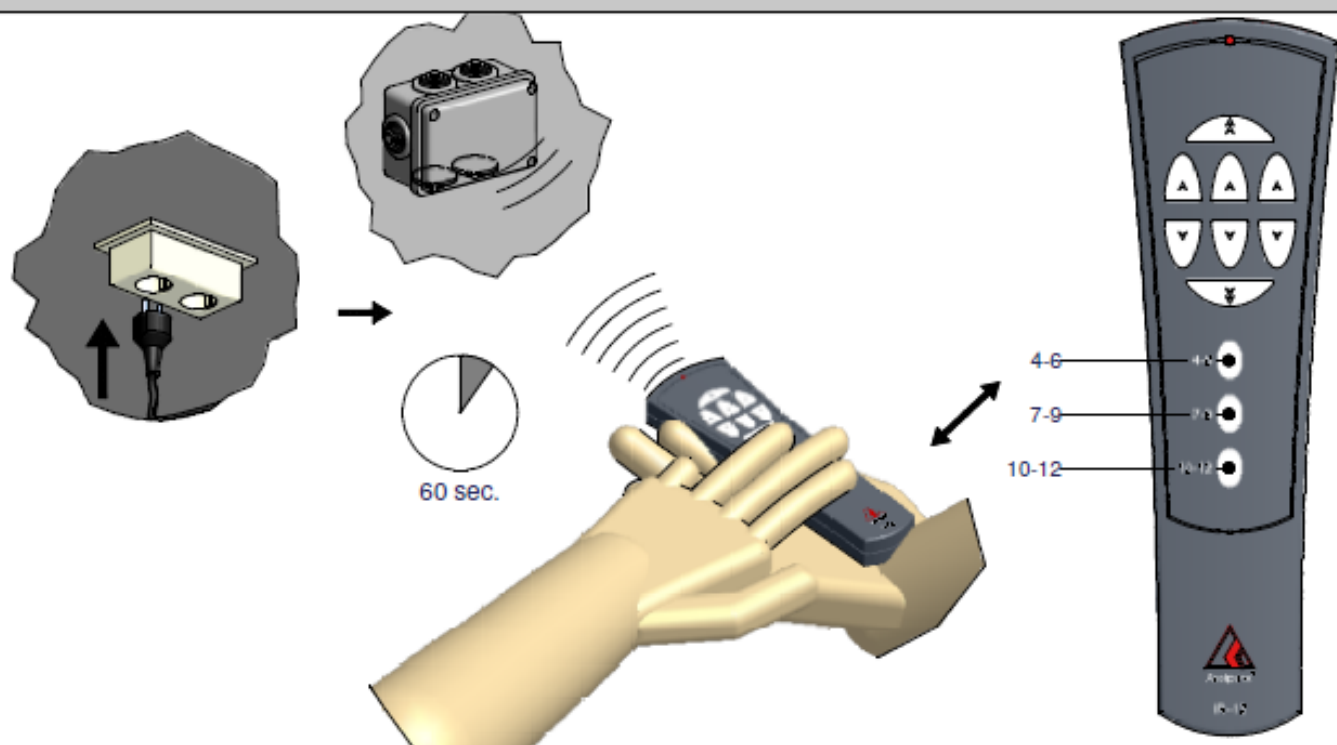
1. Steckt den Stecker in die Steckdose, nachdem dem Stecker gemäss die Installationsanleitung installiert worden ist
2. Der Empfänger zeigt 1 Minute lang den 'Empfang'-Modus auf
3. Während dieser Minute, die Druckknöpfe 4-6, 7-9 und 10-12 gleichzeitig eindrücken
4. Der Empfänger wird nun mit dem Signal der Fernbedienung verbunden
5. Wiederhole 1 bis 4 wenn Sie mehrere Produkten mit dieser Fernbedienung bedienen mögen

NOTE: Stromausfall: nachdem der Strom wieder funktioniert bitte 60 Sekunden warten bevor neue Kommandos gegeben werden mit der Fernbedienung. Nach 60 Sekunden funktioniert die Bedienung wieder gemäss die letzte Einstellungen.

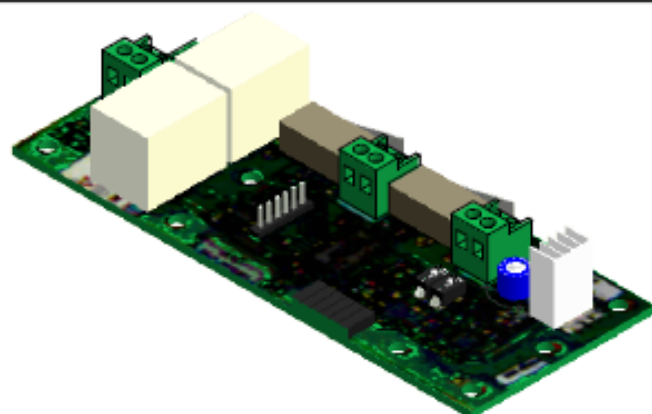
S.v.p. lisez ce mode d'emploi complet avant de commencer l'installation!

1. Mettez la fiche à la prise après d'avoir installé la fiche comme dans le mode d'emploi
2. Le récepteur donne le mode 'Réception' pour 1 minute
3. Dans cette minute, poussez les boutons 4-6, 7-9 et 10-12 simultanément
4. Le récepteur sera mis en communication avec la télécommande
5. Répétez 1-4 pour commander plusieurs produits avec la même télécommande

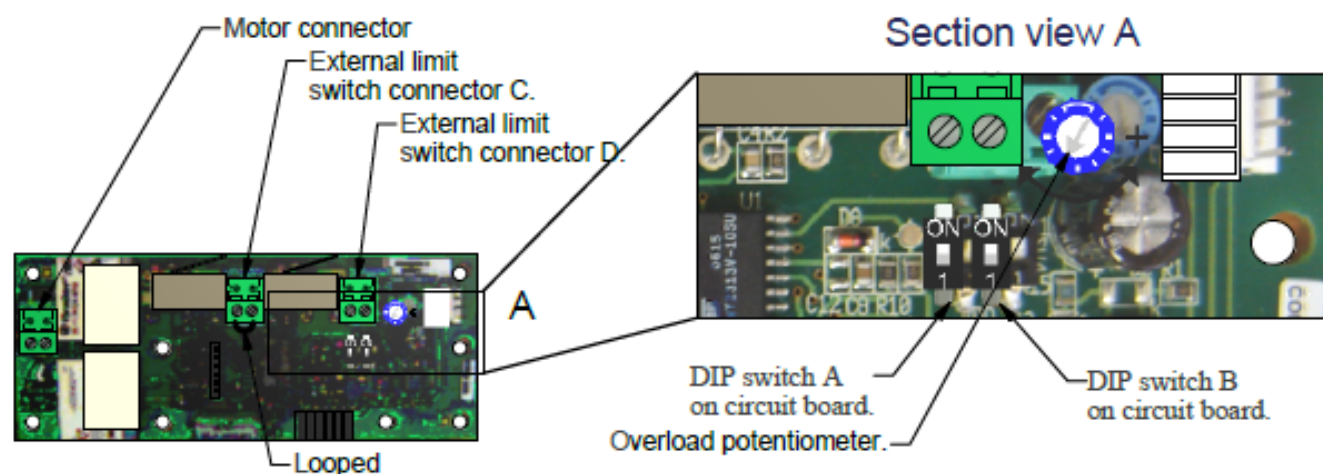
NOTE: Panne d'électricité: après que l'électricité fonctionne de nouveau s.v.p. attendez 60 secondes avant de donner des nouveaux ordres par télécommande. Après 60 secondes, tous commandes fonctionnent conform le dernier réglage



# 260204 MOTOR BOARD



## Pulse or Constant, adjusting Overload Protection



### DIP switch A.

#### **Pulse control:**

DIP switch A is set 'ON'.

The circuit board functions with a pulse command

When a second pulse, the lift will stop.

When a third pulse will start the system in the other direction.

#### **Constant control:**

DIP switch A is set '1'.

When both DIP switches are set '1', the circuit board functions with a constant command; when release, the lift will stop.

### DIP switch B.

#### **If overload reverse:**

DIP switch B is set 'ON'.

When an electrical overload is measured, (only when adjusted the potentiometer overload) the system will reverse direction, until its end stop/switch.

#### **If overload stop:**

DIP switch B is set '1'.

When an electrical overload is measured, (adjusted by the potentiometer overload) the system will stop.

### Factory settings:

#### **Mirror kit:**

- Overload potentiometer is set as much as necessary to move the mirror.
- DIP switch A is set 'ON'.
- DIP switch B is set 'ON'.
- With IR/HF remote control:
- DIP switch A is set 'ON'.
- DIP switch B is set 'ON'.

#### **ML/XL lift:**

- Overload potentiometer is set maximum.
- DIP switch A is set '1'.
- DIP switch B is set '1'.
- With IR/HF remote control:
- DIP switch A is set 'ON'.
- DIP switch B is set 'ON'.
- External limit switch C is looped.

#### **Pulley lift:**

- Overload potentiometer is set maximum.
- DIP switch A is set '1'.
- DIP switch B is set '1'.



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2751 GT Moerkapelle  
The Netherlands  
[audipack@audipack.com](mailto:audipack@audipack.com)



**Product** : Ceiling lift  
**Type** : ML-350/1, ML-350/2, XL-350/1 and XL-350/2

**D** Konformitätserklärung für Maschinen

Wir erklären hiermit daß die Produkte konform sind mit den einschlägigen Bestimmungen der EG-Maschinen richtlinie:

**Maschinenrichtlinie 89/392/EEG mit 91/368/EEG und 93/44/EEG  
EMC 89/336/EEG mit EN 55014 und EN 55104  
Niederspannung 73/23/EEC mit EN 60335/1**

**F** Declaration CE de Conformite pour les machines

Nous declare que les produits sont en conformité avec la Directive pour les machines

**Machine 89/392/EEG with 91/368/EEG and 93/44/EEG  
EMC 89/336/EEG with EN 55014 and EN 55104  
(Low voltage 73/23/EEC with EN 60335/1)**

**GB** EC-declaration of conformity for machines

We declare that aforesaid product is constructed in compliance with the following directives with the following directives

**Machine 89/392/EEG with 91/368/EEG and 93/44/EEG  
EMC 89/336/EEG with EN 55014 and EN 55104  
(Low voltage 73/23/EEC with EN 60335/1)**

**E** EC-Declaracio'n de la conformidad para las máquinas

Declaramos que el producto antedicho está construido en conformidad con los directorios siguientes

**Machine 89/392/EEG with 91/368/EEG and 93/44/EEG  
EMC 89/336/EEG with EN 55014 and EN 55104  
(Low voltage 73/23/EEC with EN 60335/1)**

**NL** EG-verklaring van overeenstemming voor machines

Wij verklaren dat bovengenoemd produkt volgens de onderstaande normen en richtlijnen is geconstrueerd:

**Machine 89/392/EEG with 91/368/EEG and 93/44/EEG  
EMC 89/336/EEG with EN 55014 and EN 55104  
(Low voltage 73/23/EEC with EN 60335/1)**

**S** EG-försäkran om överensstämmelse

Tillverkare försäkrar härmed att produkt är tillverkade i överensstämmelse med EG's Maskindirektiv:

**Machine 89/392/EEG with 91/368/EEG and 93/44/EEG  
EMC 89/336/EEG with EN 55014 and EN 55104  
(Low voltage 73/23/EEC with EN 60335/1)**

Moerkapelle (NL)

Audipack,  
R&D

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