

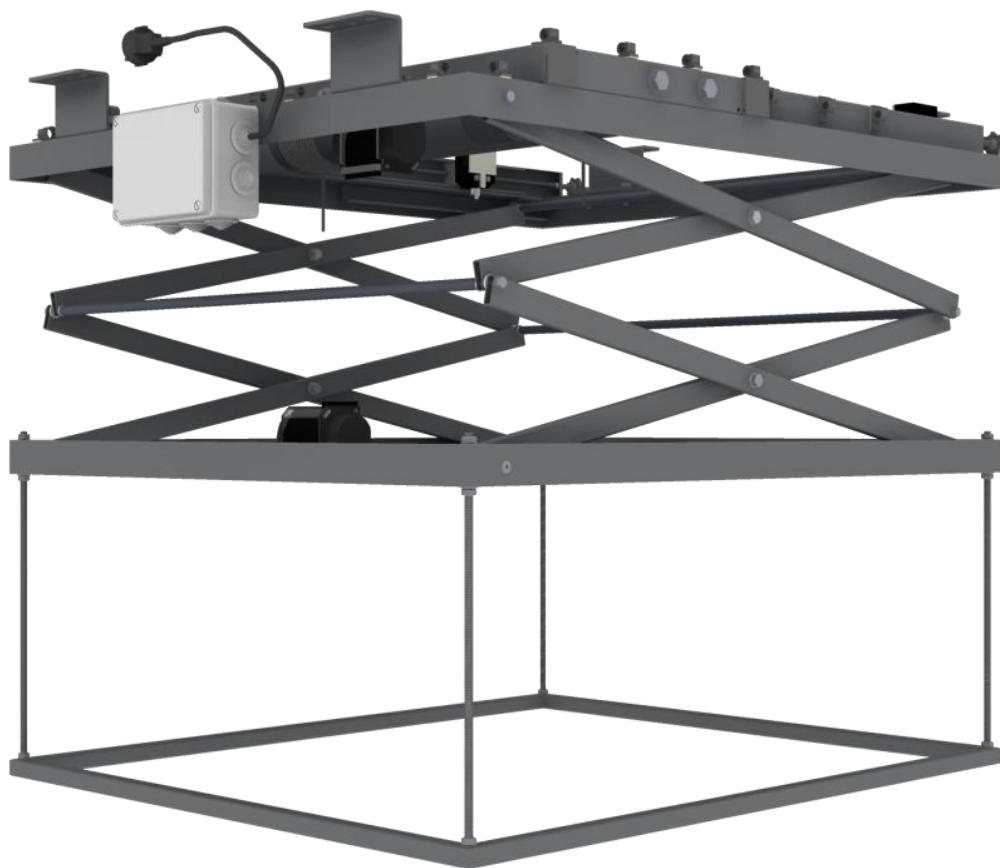
P3615

PROJECTOR CEILING LIFT

WITH POSITION CONTROL

User manual
Gebruikershandleiding

Addition to standard ceiling lift manual



Version 1.0

Read the manual carefully before installing.

Lees aandachtig de gebruiksaanwijzing alvorens te beginnen met de installatie.

Bitte beobachten Sie den Gebrauchsanleitung bevor Sie anfangen mit installieren!

S'il vous plaît, lisez attentivement le mode d'emploi avant commencer l'installation!

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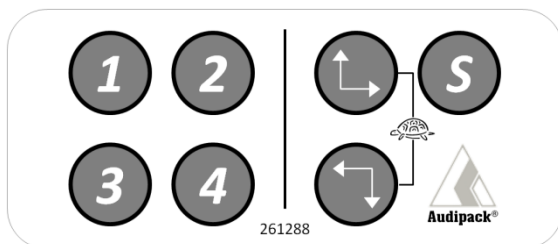
Product

1. Product description

This lift of is designed specifically for installing the projector inside the ceiling lift. The general installation is based on the standard installation norm of ceiling lift systems. Please use the standard manual for general installation

1.1. Scope of delivery

- Product
- Manual
- 5-pole connector with jumper
- 6-pole connector
- Keypad(Part number 261288)



1.2. Accessories

- Cable RS232 serial communication RJ45 ⇔ Sub-D9 (female)
- Cable serial adapter Sub-D9 (male) ⇔ USB (Part number 320139)

Connections

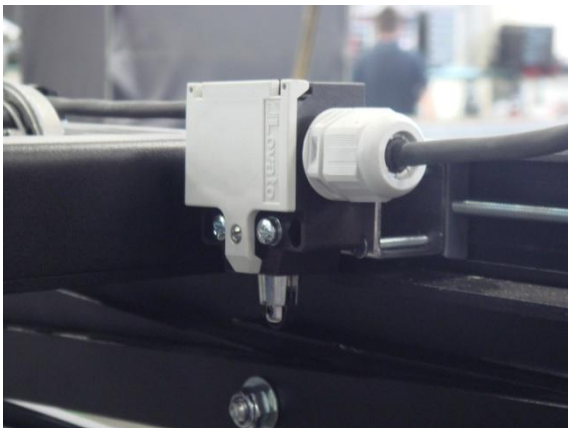
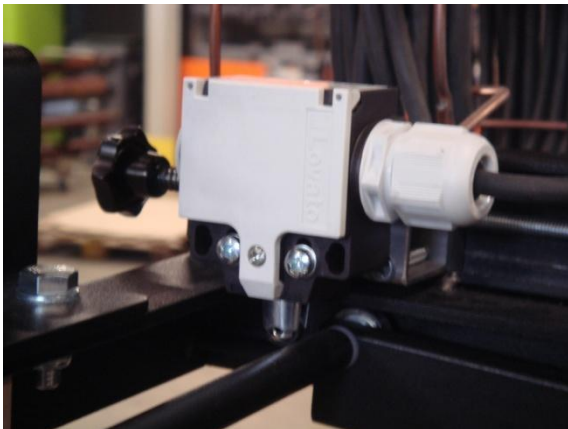
2. Lift limits

2.1. Motor limits

The internal motor limits are already set.

2.2. Limit switches

The limits switches are set to minimum (UP) and maximum (DOWN) limits of the projector lift



Initial setup

2.3. Memory positions

Memory positions M1 to M4 can be set individually in random order.

3. Initial setup

3.1. Homing (ATTENTION !!!)

If the control board will be used with position control the reference or home position have to be set.

Position control is available on program number "5".

The procedure for homing is in program number "5" as follows:

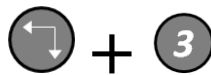
- The motor runs in to upper limit switch
- The motor stops when the (upper) limit switch is activated
- The motor runs in low speed in de reverse direction
- The motor stops 10 count after the (down) limit switch is deactivated

!! In program number "5" homing is in the opposite direction !!

(limit switch "UP" will be activated)

Homing can be activated by:

- Keypad



- RS-232

home, enter

Connections

3.2. REGISTER R1005-R1008 [Memory Preset Values]

In the registers "R1005" to "R1008" the preset values of the memory positions are stored.

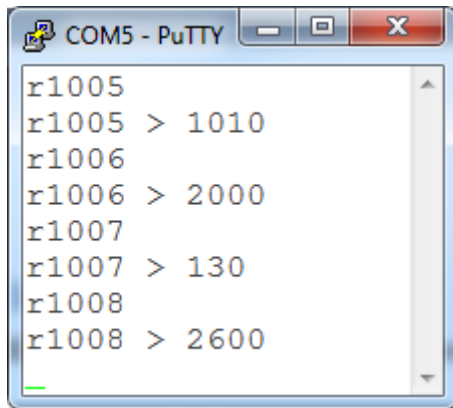
Register	Description	Value range
R1005	M1 counter value	50-60000 counts
R1006	M2 counter value	50-60000 counts
R1007	M3 counter value	50-60000 counts
R1008	M4 counter value	50-60000 counts

R1005[Enter]

R1006[Enter]

R1007[Enter]

R1008[Enter]



```
COM5 - PuTTY
r1005
r1005 > 1010
r1006
r1006 > 2000
r1007
r1007 > 130
r1008
r1008 > 2600
```

Returns decimal numbers "1010", "2000", "130", "2600".

3.3. Counter accuracy

The counter accuracy is 1,5 mm per counter pulse!

The counter is counting down from 60000 starting from the upper limit switch.

3.4. Presets as delivered on 24-04-2015
























R1005 = 59950
R1006 = 59850
R1007 = 59650
R1008 = 59350

Programming

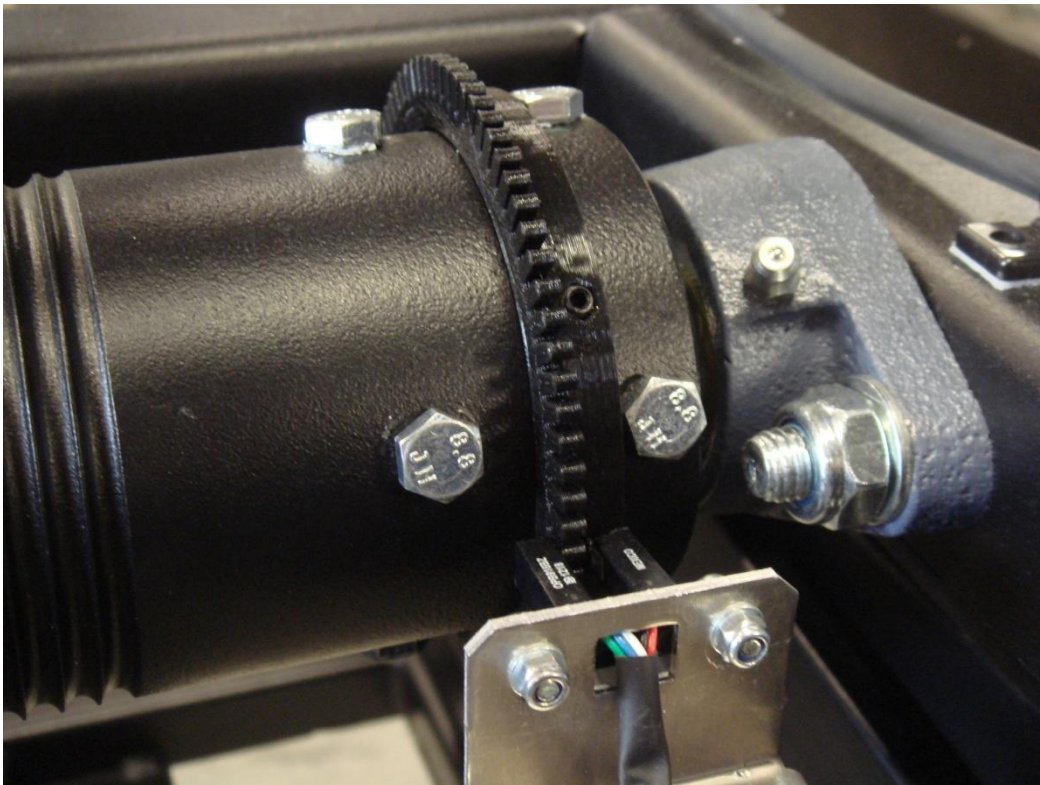
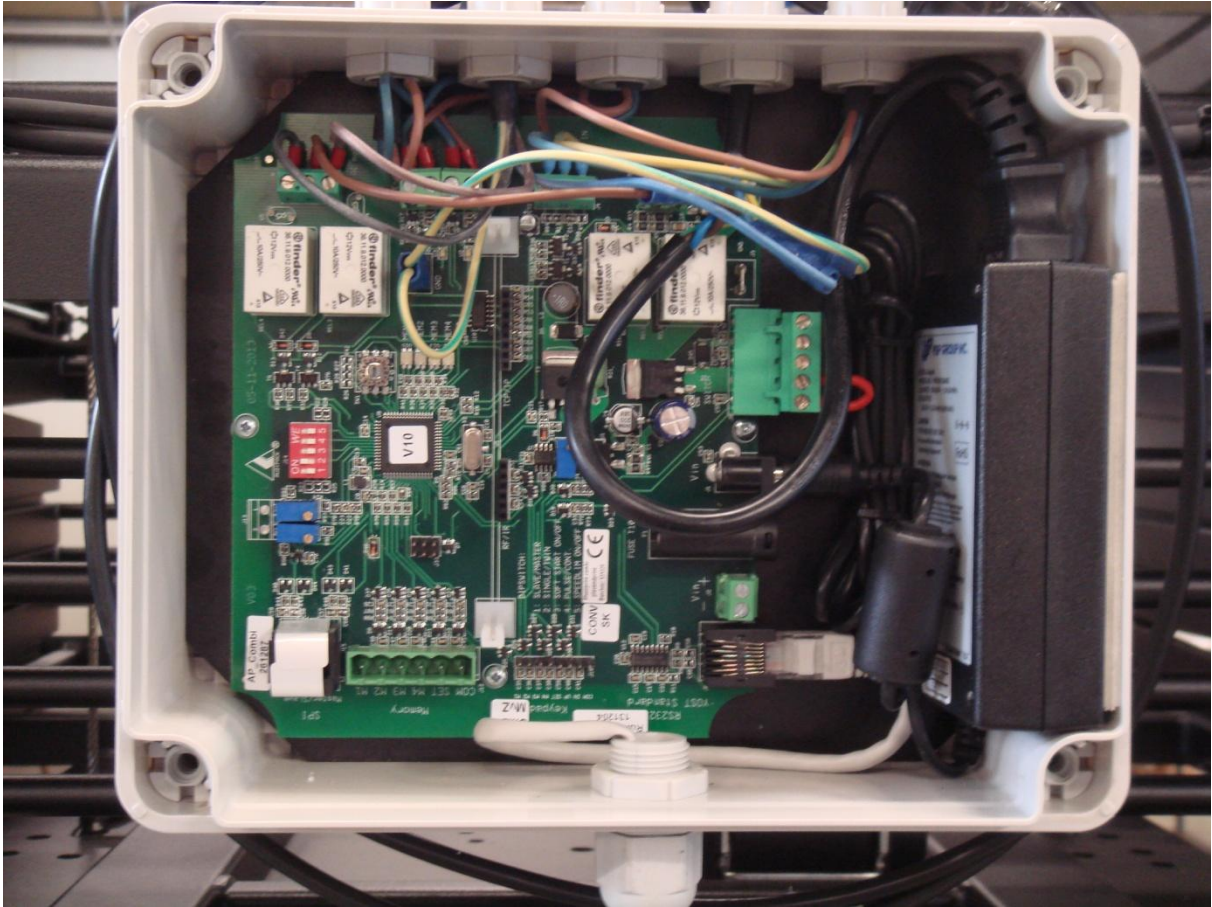
4. Keypad (261288)

With the keypad in combination with the control board (261287 or 261377)
button control

Table 1 – Buttons keypad (part number: 261288)

				Go to memory position 1
				Go to memory position 2
				Go to memory position 3
				Go to memory position 4
				Set memory in combination with 1,2,3 or 4
				Moving direction Up/right
				Moving direction Down/left
	+			Set memory position 1 Memory indicator LED1 turns from orange (pushed) to green (released)
	+			Set memory position 2 Memory indicator LED2 turns from orange (pushed) to green (released)
	+			Set memory position 3 with PIN-code Memory indicator LED3 turns from orange (pushed) to green (released)
	+			Set memory position 4 with PIN-code Memory indicator LED4 turns from orange (pushed) to green (released)
	+			Toggle between fast and slow motion (DC output only)
	+			"Homing"
				"Reset" the control board by pushing all buttons together during power up. <i>Memory positions remain there current value</i>

Connections



Connections

5. Specifications

5.1. Technical data

V_{DC} _{input control}	:	12-30	Volt DC
V_{out} .counter	:	5-14	Volt DC
V_{in} .counter	:	5	Volt DC
V_{max}	:	230	Volt AC
I_{motor}	:	1,1	Ampere
P_{motor}	:	250	Watt
Counter pulse resolution		1,5	mm
Memory position repeatability (after break in period)		1	mm
Software version	: date 24-04-2015	V16	

6. Frequently asked questions

- There is an abnormality in the position that you want?
Re: Follow the procedure for manual [homing](#).



- Control board doesn't react without error message
Re: Follow the procedure for manual [homing](#).



- The two led's (U2 and U3) of de corresponding limit switches are both blinking synchronous
Actuated limit switch do not match the motor direction of rotation or

Motor current exceeds motor current setting (R2) or

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