

User manual

TECHLIFT M4



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1.01

Manufacturer

Tech Line Sweden AB

Humlegatan 13 A

SE-504 51 Borås

www.techline.nu

+46 (0) 709 837972

1.02

Use

Tech Lift M4 can be used to move users between two different level differences that can otherwise constitute an obstacle.

Tech Lift M4 is designed for permanent installation for indoor and outdoor users. The lifting platform may only be used by persons who have been instructed in the use of this product or by trained personnel.

The entrance and exit take place at each end of the lifting platform.

Doors protect the user from accidental exit.

The lifting platform is manufactured in accordance with current standards.

Tech Lift M4 can lift up to 1500mm

The lifting interval can be adjusted between 50 - 1500mm

The lifting platform can be used between temperatures -20 - +40

Tech Lift M4 has been designed for the product to be a stylish and harmonious installation in both private and public environments.

Where the lift is installed in public environments, it is recommended that the lift be equipped with a lock, to protect against unwanted use.

1.03

Important / warnings

All instructions should be read before using the product.

Installation of **Tech Lift M4** must be carried out in accordance with our instructions.

All work under the platform must be performed with a broken power source.

The maximum load of **350 kg** must never be exceeded.

Lifting platform and ramp must be clean of gravel, fallen leaves and snow, etc. before use.

The lifting platform is intended for passenger transport and must be used in accordance with our accompanying instructions.

1.04

Unpacking and assembly

If visible damage or defects are discovered during delivery, installation must not begin until the supplier is contacted

1.05

Safety rules

People who work with this product must be trained in similar products, and have good knowledge of high current, hot work and similar requirements for installation work.

1.06

Electrical connection

- Current: 100-240V, 50-60 Hz
- Maximum consumption: 3 A at 230 volts

Connect the platform to the power outlet with the mounted power cable. The cable can be used both indoors and outdoors.

- Brown wire: Phase wire
- Blue wire: Zero wire
- Green / yellow wire: Earth wire

Important!


For safety reasons, the lifting platform must always be connected to earth.

2.00 Description of functions


2.01 **The lifting platform** operated with a control panel. Push buttons on the panel have (hold function), which means that they must be held down for operation.

Tech Lift M4 is made to be easy to use even without any prior knowledge.

Raise the lifting platform from the lowest level, when the lifting platform is at the lowest level make sure that the door is closed (there is an electric lock that prevents operation with the door open).

Then hold the pushbutton marked  until the lift starts. When the lifting platform reaches the higher level, it stops automatically and the user can drive off.

Lower the platform from the upper level.

The user enters the lifting platform, checks that the door is closed and then holds the pushbutton marked  the lift starts. When the lifting platform is at the lowest level, it stops automatically and the user can drive off.

Fault condition The lifting platform may indicate faults on the control panel. If a red light marked (**ALARM**) is lit on the panel, the weight of the lift has been exceeded, the lift cannot be used until the load on the platform has been reduced. **Important!** It is important that an adapted emergency procedure is established.

One or more people should be designated to assist in the proper use of the lifting platform. These people should always be available in an emergency. Users must be informed of who the persons with this responsibility are.

Tech Lift M4 should never be used in case of fire.

2.02 Emergency Stop

The emergency stop may only be used in an emergency

When the emergency stop is activated, all functions are stopped.



To reset the emergency stop, turn clockwise until the pushbutton lifts and resets.

2.03 **Emergency lowering**

The automatic emergency lowering unit is activated in the event of a power failure, the lift can continue to be used but only in the **downward direction**.

In the event of a power failure, a lamp on the front marked **(BATTERY)** is activated which shows that the lift now only has access to battery voltage.

2.04 **External drive panels**

External control panels with driving instructions   that can be used for external operation of the lift, the control is a radio transmitter and can be placed anywhere close to the **Tech Lift M4**.

2.05 **Security**

Tech Lift M4 is designed with four lifting pillars, which gives the lift a very open and elegant design, in downward movement this lift is equipped with protection from the risk of squeezing between platform and floor.

If there is an object between the lower part of the lift and the floor, the downward movement of the lift stops, the lift can now only be driven upwards until the obstacle has been removed.

2.06 **Tech Lift M4** is equipped with an emergency signal to call attention in the event of a power failure or other emergency.



Press button mark

2.07

Emergency opening of door / gate

Tech Lift M4 is equipped with an electric lock for the gate that prevents involuntary exit from the platform, the lock can be opened manually in an emergency. Use the included tool (see picture 1), and turn the plastic a quarter of a turn clockwise. The door / gate can now be opened.

NOTE turn the plastic back after evacuation.



picture 1

3.00

Maintenance

3.01

Tech Lift M4 is cleaned with a sponge or brush and soapy water.

Tech Lift M4 can be cleaned or rinsed under normal water pressure, but must not be washed with a high pressure washer.

Never use acids, bases or solvents when cleaning.

3.02

Storage

No special requirements. Note, however, that the life of the batteries will be shortened if the lift is not connected to voltage for a longer period of time.

3.03

Tech Lift M4 life is based on proper use, cleaning, maintenance, as well as annual inspection and maintenance by qualified personnel.

4.00 Wrong possible cause Solution

4.01 No electrical functions.

The emergency stop button has been pressed. Turn the emergency stop knob to the right.

4.02 The fuse is broken. Replace the fuse or reset the earth leakage circuit breaker.

4.03 The lifting platform does not go down

Check that the door on the upper level is properly closed.

Foreign objects are under the platform, clamp protection has been activated. Clean under the platform from debris / snow etc.

4.04 Lamp (**ALARM**) lit on the panel

Remove part of the load from the platform, observe the maximum load specified for the platform **350 kg**.

4.05 The lifting platform does not go up

Check that the door on the lower level is properly closed.

4.06 INDICATION ERROR EM 337 M4 LED (number of flashes)

1 blink = homing in progress

2 blinks = overcurrent

3 blinks = no pulses detected

4 blinks = motor position difference too big (synchronisation error)

5 blinks = overvoltage

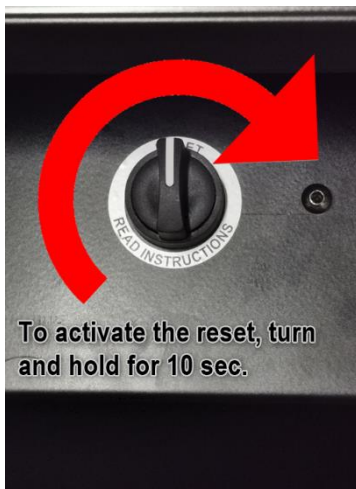
6 blinks = safety edge wiring failure

Reset

To activate the reset, turn the knob clockwise (see picture 1) and keep it turned for about 10 seconds, the lift starts and goes slowly downwards (lamp fault) lights up

NOTE! With this downward movement, the clamp protection is not activated, (be extra careful and make sure that there are no obstacles under the platform).

Hold the knob during the entire lifting movement and release it only when the lamp (fault see picture 2) has gone out and the lift is at the bottom.



picture 1



picture 2

5.00 Technical specifications

External dimensions (LxWxH)	1600 x 1150 x 1100 mm
Internal dimensions (LxW)	1400 x 900 mm
Security gate (WxH)	970 x 1100 mm
Lifting height	1500 mm
Maximum load	350 kg
Lift speed	30 mm/sek
Electrical connection	230V/115V 50/60 Hz
Power consumption standby	3 W
Power consumption in operation	350 W/ 29 volt
Batteries maintenance free	24 Volt / 5 Ah
Sealing class	IP 65

The product is manufactured in accordance with.

2014/33/EU

2006/42/EG

Electromagnetic Compatibility Directive **EMC 2014/30/EU**

2004 / EC of 12 December 2006 - low voltage directive

SS EN 81:41



Declaration Tech Lift M4

Manufacturer	Tech Line Sweden AB Kyrkbacken 2 SE507 90 Brämhult Tel: 0709 83 79 72 Org.nr 559248-0585 Mail: stefan@techline.nu Webb: www.techline.nu
Lift type	Lifting platform
Model	Tech Lift M4
Serial number	201905-
Year/ manufacture	2019-10-15
Platform Lift	SS-EN 81-41:2010 2006/42/EC EMC Direktivet/ EMC 2014/30 EU EN-610000-6-3 ISO 9001: 2016, ISO 3834-3, ISO 9386-1
Lyftpelare	IEC60601-1, ES60601-1, IEC60601-1-2
EI/ Styrning	EN-55022B

I guarantee that the Thech lift 500 lifting platform complies with relevant parts of the above directive.

Brämhult 2020-03-15

Stefan Augustsson

En produkt från

TECHLINE

Kyrkbacken 2

SE 507 90 Brämhult

Besöksadress: Humlegatan 13 A SE 504 51 Borås

www.techline.nu

Mail: stefan@htu-center.se