Linkeo Data Center / Corridor Solutions / Corridor Doors

Part Numbers: 4 469 20/ 4 469 21
4 469 22/ 4 469 23

CONTENTS **Page**

1. SYMBOLS, PRECAUTIONS AND WARNINGS

1.1 Symbols

Attention: general operation note.

Attention: general hazards;possible risk for persons.

Attention: electrical hazard

Attention: risk of crushing hands

General Precautions

Before starting of any assembly, maintenance or cleaning operations, make sure that you have fully understood the indications in this manual.
All electrical connections for Photocell Door, installation of automation accessories must be made by qualified personnel.

General Safety Precautions

When using the carrier it is good practice to remember that all moving parts can be a source of danger.

Make sure that power supply is cut off during maintenance.

It is recommended never to intervene on moving parts and to ensure that no operator is near to the moveable parts/control unit box before reactivating it after a technical or maintenance intervention.

1.2 Precautions And Warnings

The installation and maintenance personnel (installers, electricians etc.) must have sufficient expertise and knowledge for undertaking the task at hand.

In case of anomalies, immediately stop the work and contact with hospital.

2.PRODUCT FEATURES

Sliding doors providing an airtight enclosure for the aisle containment system.
Double opening and exit with hand sensor.
4+4 mm transparent laminated security glass
Standarts for glass:
TS EN 1863-2, TS EN 12150-2, TS EN ISO 12543,
TS EN 14449, TS EN 12600

As a standard entrance type is sensor. You can also prefer as a button entrance (one or both side) and entrance with password.

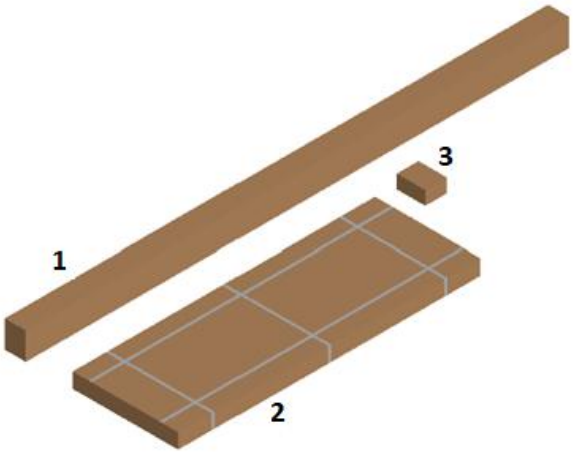
Aluminium frame material
It is working between -15°C and +50 °C
The door system is designed to be easily opened and closed by hand in case of power cut off.

220-230V AC (50 Hz) , power supply cord is flexible 3 x 1,5 mm^2

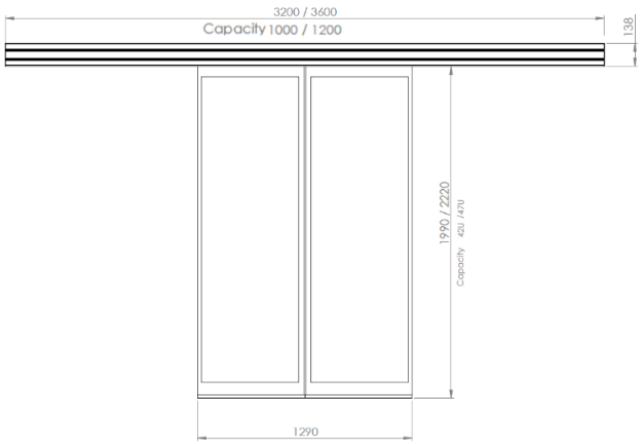
Corridor door fixing module included

2.PRODUCT FEATURES

Ref.	Description
4 469 20	42U FOR CABINET DEPTH 1000 MM
4 469 21	42U FOR CABINET DEPTH 1200 MM
4 469 22	47U FOR CABINET DEPTH 1000 MM
4 469 23	47U FOR CABINET DEPTH 1200 MM



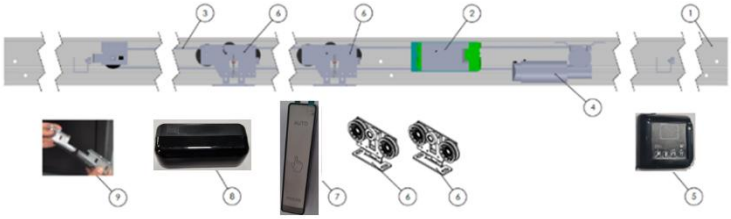
1. Sliding mechanism
2. Sliding door
3. Sliding mechanism assembly parts



3. INSTALLATION STEPS

3.1 Placaing Of The Mechanism

The motor, belt stretch bracket, belt, radar, carrier set, mainboard, transformer, stopper, stopper support,control panel and steel rail will be installed on the upper case which is called after that with “Mechanism”.



1.Aluminium frame
2.Mainboard
3.Belt
4.Motor
5.Control panel
6.Castors
7.Hand sensor x2
8.Radar
9.Glass door fixing parts

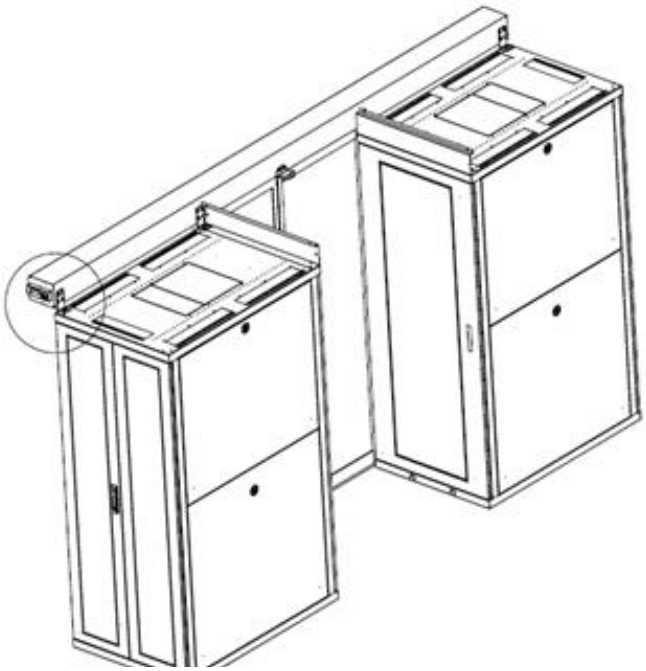
3.2 Mechanism Assembly

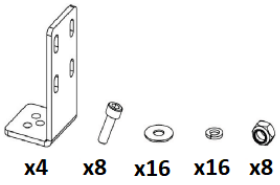
-Open the top cover on the sliding mechanism and remove the components as shown in the image below.

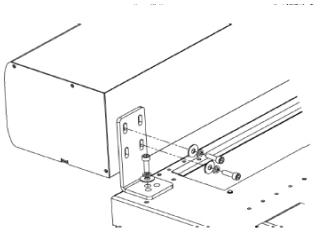
3. INSTALLATION STEPS

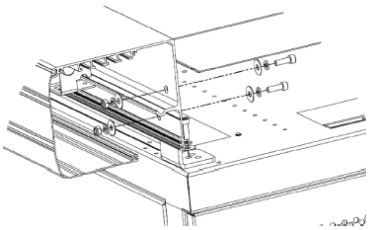
3.2 Mechanism Assembly

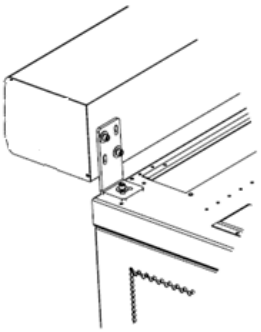
-Assemble the sliding mechanism on the corridor cabinets as shown in the image below.





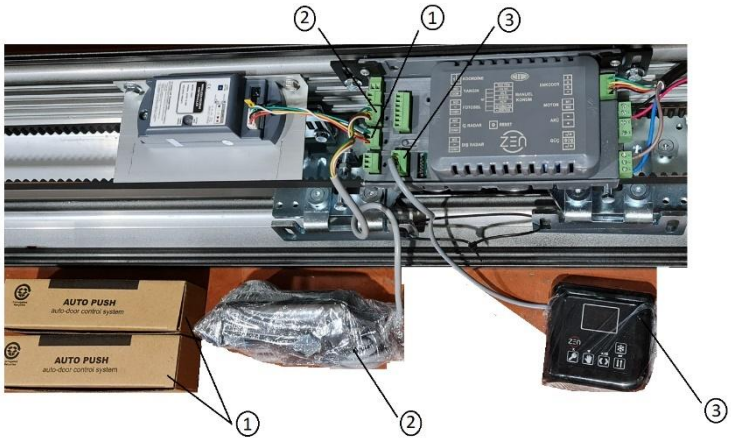


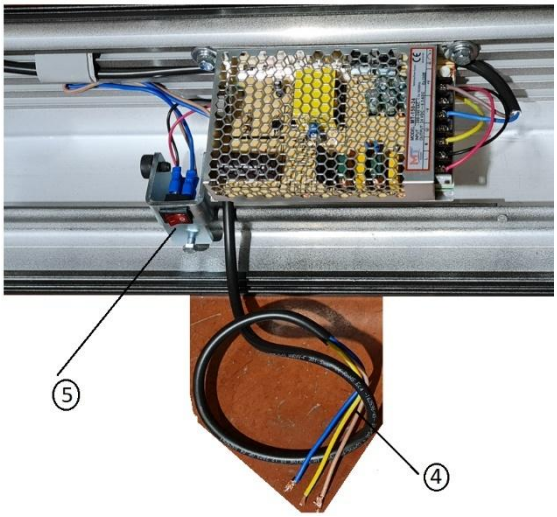




3.INSATALLATION STEPS

3.3 Automatic Working Operation





1.Wireless Hand Sensor Cable
2.Radar Cable
3.Control Cable
4.Power Cable
5.On-Off

3.INSATALLATION STEPS
3.3 Automatic Working Operation
3.3.1 Radar Assembly

- The radar cable is sent connected to the main board as shown in the figure 1

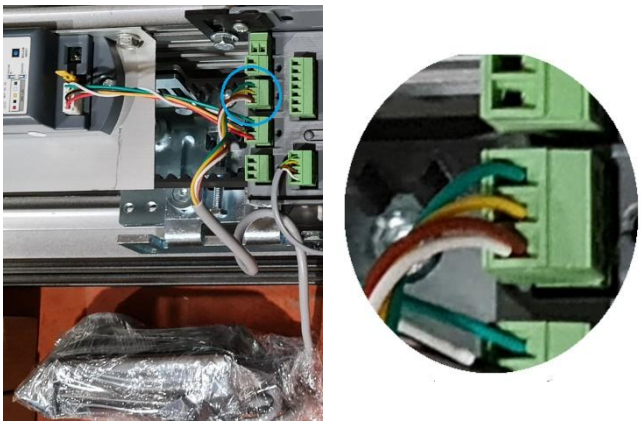


Figure 1

- The radar cable is placed as shown in figure 2

Figure 2

- About 12 mm hole of diameter is drilled front surface in the middle of the mechanism cover, as shown in the figure 3.

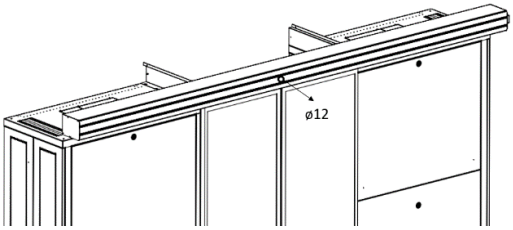


Figure 3

- Cable from the mainboard (see figure 2) is passed through on the mechanism of cover hole and mounted on the radar, as in the figure 4

Figure 4

3.INSATALLATION STEPS
3.3 Automatic Working Operation
3.3.2 Wireless Hand Sensor Assembly

-The wireless hand sensor cables are sent connected to the main board as shown in the figure 5

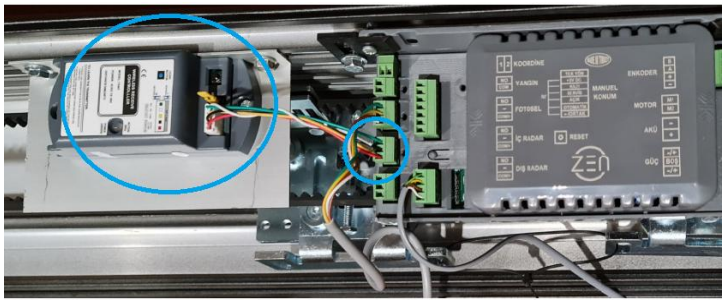


Figure 5

-The wireless hand sensor is placed as shown figure 6

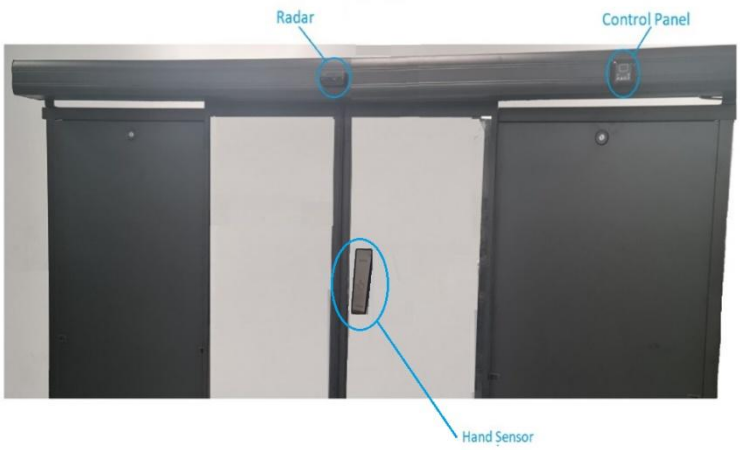


Figure 6

3.INSATALLATION STEPS

3.3 Automatic Working Operation

3.3.4 Control Panel Assembly

- Cable from the mainboard (see figure 7) is passes through the mechanism's cover hole and is then mounted on the control panel,as depicted in figure 8.

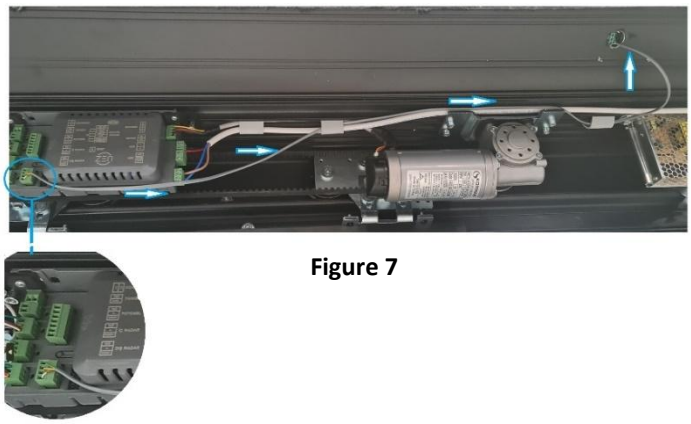


Figure 7

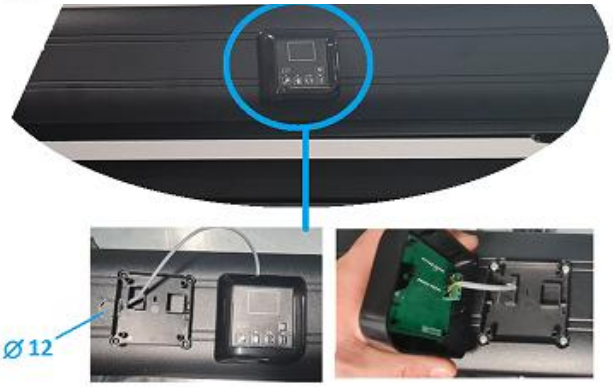
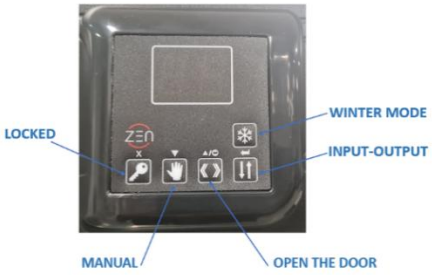


Figure 8

- It operates automatically when the control panel is powered.

For extra settings;



Winter Mode:
The doors are partially opened to minimize heat loss.

Input-Output:

-Press once to open the door in both direction

-Press twice to open the doors in only one direction (outward)

-To activate the key lock, press and hold on the button for 20 seconds

Open the door: The doors are open

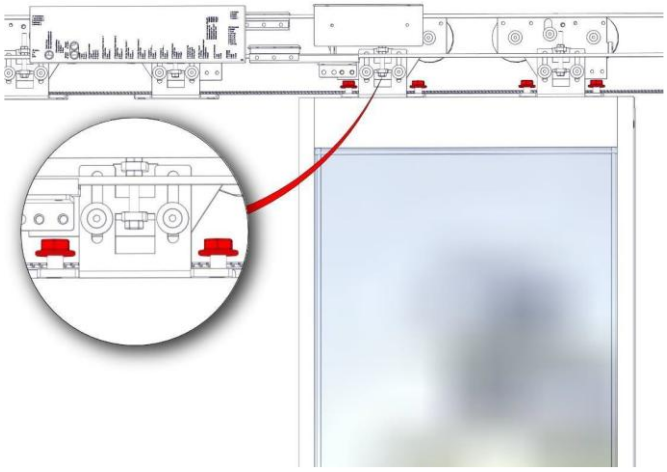
Manual: The doors operate manually

Locked: This button prevents unauthorized persons from interfering. It locks all functions (hand sensor, radar....).

3.INSATALLATION STEPS

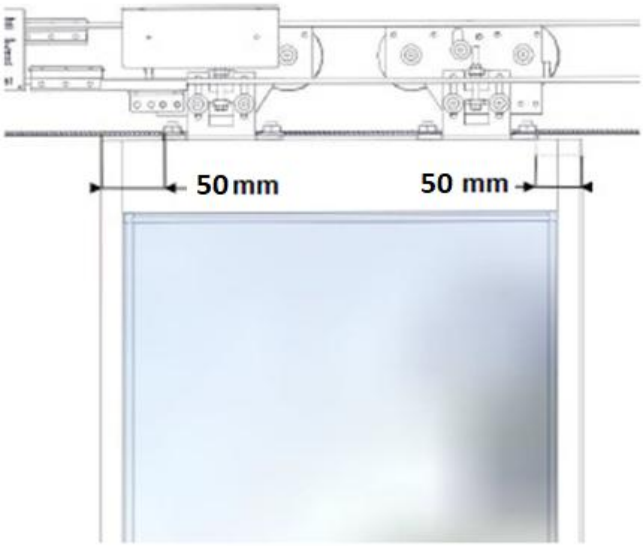
3.4 Sliding Door Assembly

-The moveable glass panel must fix to carrier on mechanism. In order to adjustment don't fasten the nuts too much.



In order to excellent opening/closing process there are some rules;

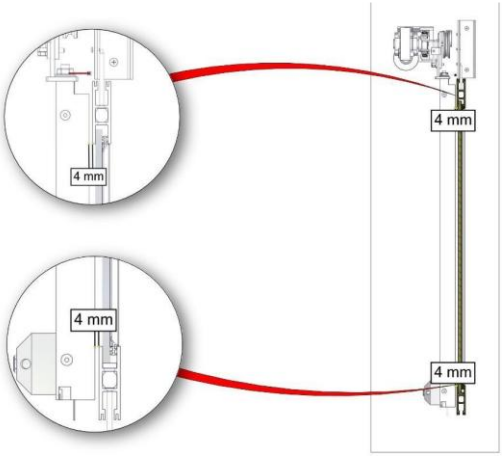
1. The carrier and end of moveable glasspanel distance should be 50±5mm.



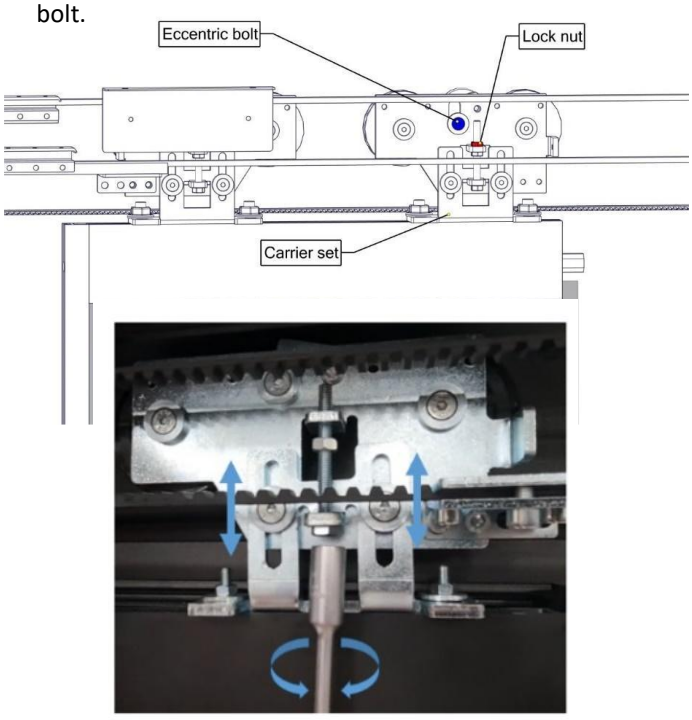
3.INSATALLATION STEPS
3.4 Sliding Door Assembly

2. Fixed glass panel's glass house profile and E profile distance must be 4±1mm on top glass house profile and down glass house profile.

After this adjustment process now you can fasten to nuts as tighten.

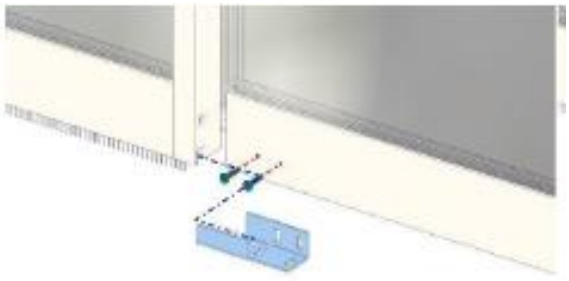


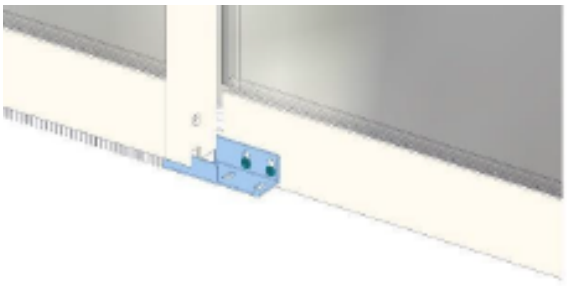
3.The height adjustment of the moveable glass panel is made by the height adjustment bolt in the carrier set. The moveable part of the carrier set loosens the bolts then lock nut will be released. The height adjustment bolt is tightened or loosened until the moving glass panel is at the desired level. The brushes shouldn't touch to ground. When you reach to desired level you can fasten the lock nuts. Eccentric bolt loosens then adjust as 2mm distance with mechanism frame and fasten the eccentric bolt.



3.INSATALLATION STEPS
3.4 Sliding Door Assembly

Below guide should be placed and fix to ground or fixed glass panel as you see at below picture.





Check that the moveable glass panel is working properly.
The moveable glass panel should be opened to max. projection point. Stopper braker sets according to stopper position and its bolts fastened.

3.5 Working Principle Of The Sliding Mechanism

A driver; at first calculates the position in between opening point (A) and closing point (B) and locates itself in that gap by tour/time.

Receives the signals from activators as radar, hand sensor (proximity sensor) or button etc, and runs the DC 24V motor from A point to B point by through a belt.

And receives the signals security mesaures(photocell eyes, or some obstacles which chances movement time, to stop and send the door into open position. And chances the electricty signal volume to speed up or slow down the door. The other parts are mechanical particion parts to fix the door or leafs