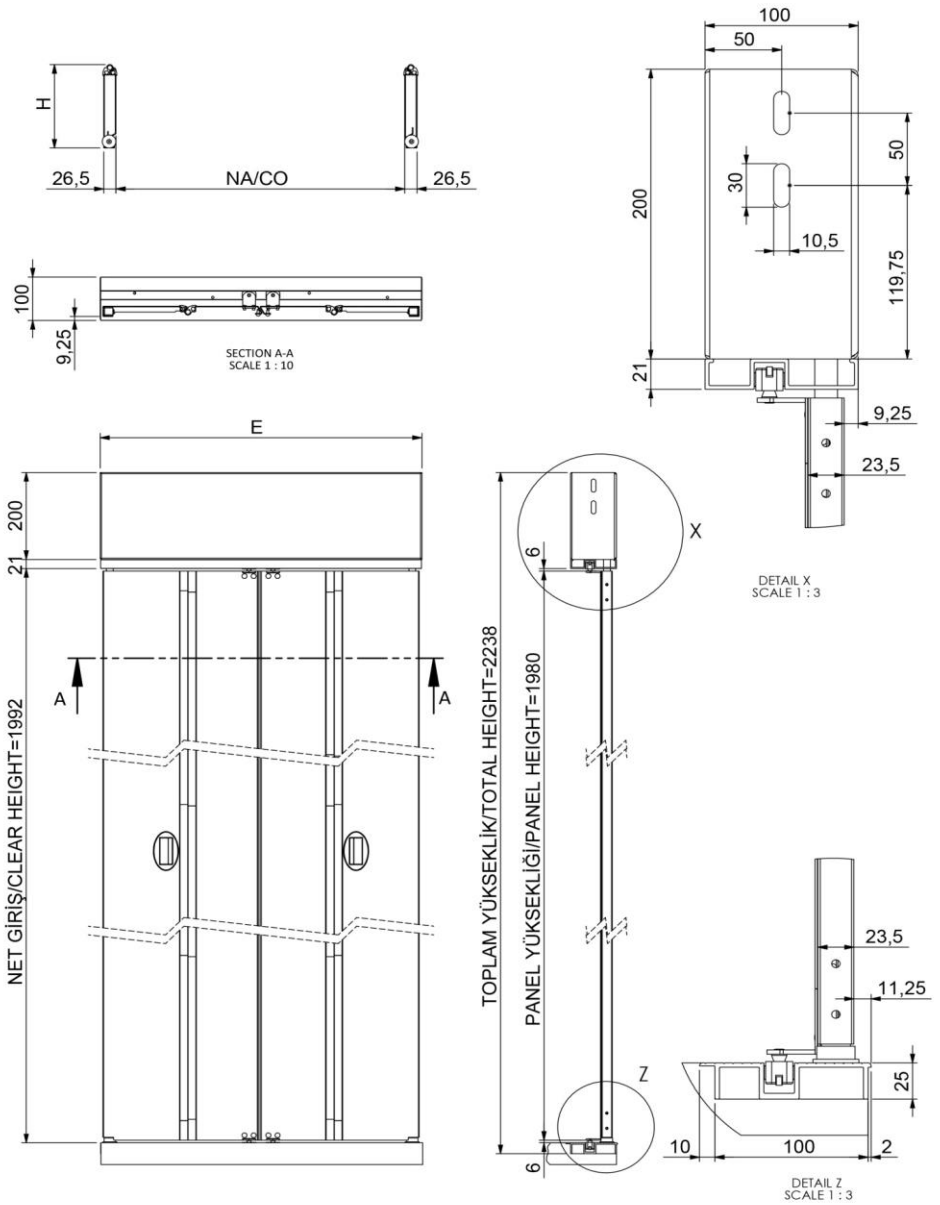


## TABLE OF CONTENTS

CONTENT OF PACKAGE .....	3
TECHNICAL PICTURE .....	4
TECHNICAL MEASURE .....	5
 <u>MECHANIC ASSEMBLY</u>	
ASSEMBLY OF THRESHOLD .....	6
ASSEMBLY PREPERATION OF MECHANISM BOX.....	7
ASSEMBLY OF SKATE .....	8
ASSEMBLY OF PANEL AND MECHANISM BOX.....	9
 <u>ASSEMBLY OF ELECTRIC WORKS</u>	
SCHEMA OF CIRCUIT.....	11
 TECHNICAL SUPPORT / COMMUNICATION .....	 13

## PACKAGE CONTENTS

1. Mechanism Box  
(Include 4 pieces of M8 flanged bolt)
  
2. 1 set panel  
(Include 2 pieces of drive lever)
  - One side of drive lever tightly interlaced into the panel, the other side taped together on the panel, will be shipped with the shape of the mount
  - Track roller(skate) is shipped without assembled on the panel
  
3. Threshold and assembly screw set  
(4 pieces of nuts , 4 piece of bolts)



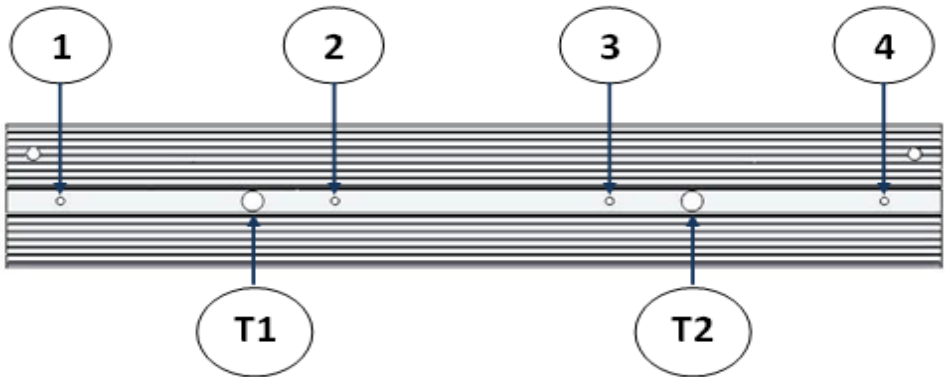
## STOPER FOLDING DOOR MEASURES

STANDART DOOR MEASURES			
DOOR CODE	E (mm)	G (mm)	H (mm)
1070	700	650	193
1075	750	700	204
1080	800	750	216
1085	850	800	228
1090	900	850	241
1095	950	900	254

PANEL SURFACE CHOICES
Stainless Mirror surface
Stainless Satined surface
Stainless Point Design Surface
RAL 7032 Painted (DKP)

## MECHANIC ASSEMBLY

### 1. Assembly of threshold:



- Insert the threshold on the cabin surface properly
- Using the threshold as gauge open hole No 1 and secure with screws
- After checking smoothness of threshold in order to prevent any possibility of sliding, open hole No 4 using the threshold as gauge and secure with screws.  
As threshold secured with No 1 and 4 holes as explained above
- Open hole No 2 and 3 Using the threshold as gauge
- Again using the threshold as gauge,mark dust holes(T1,T2)
- Unscrew No1 and No 4 bolts and remove the threshold
- Drill the dust holes (T1,T2) on where you marked earlier
- Put the threshold into its place and screw with No 1,2,3,4 holes and secure them properly

✓ *Make sure dust holes remain open !*

- Mark the right and left side of cabin wall measuring over 2m from threshold
- Paste templates controlling Dotted line that indicates 2m alignment over the template into these signs
- Finally, drill the 2 piece of link holes which are shown as 'drill here' over the template on right and left cabin walls.

#### Mechanism Box Fixing Extraction

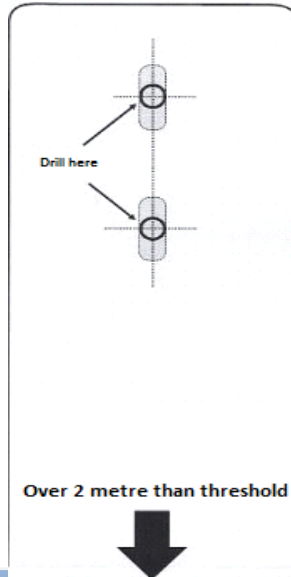
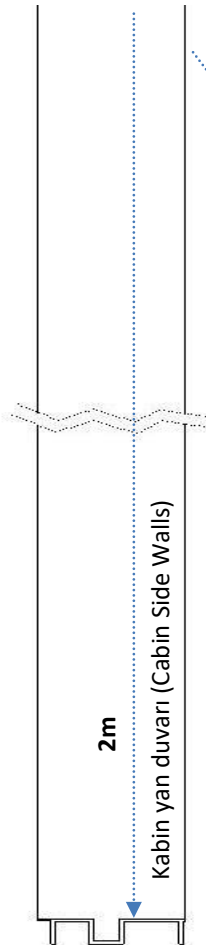
In order to fix mechanism box (on both sides of the cabin Wall)

1. After bottom rail fixed, measure 2m over the surface
2. Dotted line which is on the bottom of the assembly template to be pasted on cabin walls controlling marked 2 m line
3. 2 Pieces of 8mm holes which are shown on stickers with black colour to be drilled



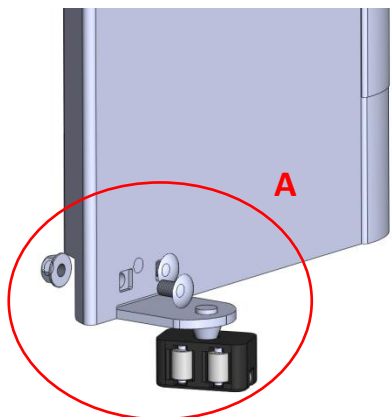
#### Mechanism Box Fixing Extraction (on both sides of the cabin Wall)

1. After bottom rail fixed, measure 2m over the surface
2. Dotted line which is on the bottom of the assembly template to be pasted on cabin walls controlling marked 2m line
3. 2 Pieces of 8mm holes which are shown on stickers with black colour to be drilled

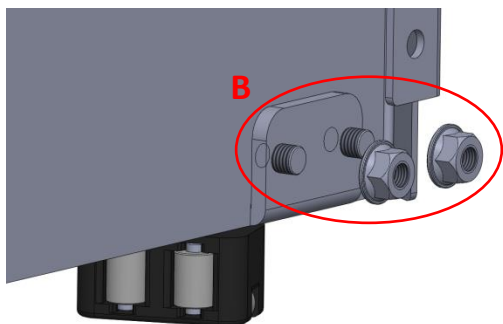


MECHANIC ASSEMBLY – 3. Assembly of Skate

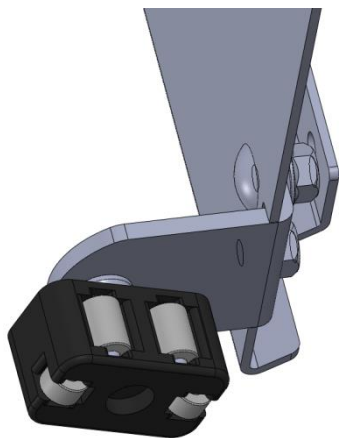
*✓ This template is given as sticker with the mechanism box*



- As shown (A) skate panel to be fitted allocated place on sheet metal
- Lenticular headed special bolt to be passed through the holes as stay on the surface



- Stainless nuts to be fitted behind the panel panelin. (B)



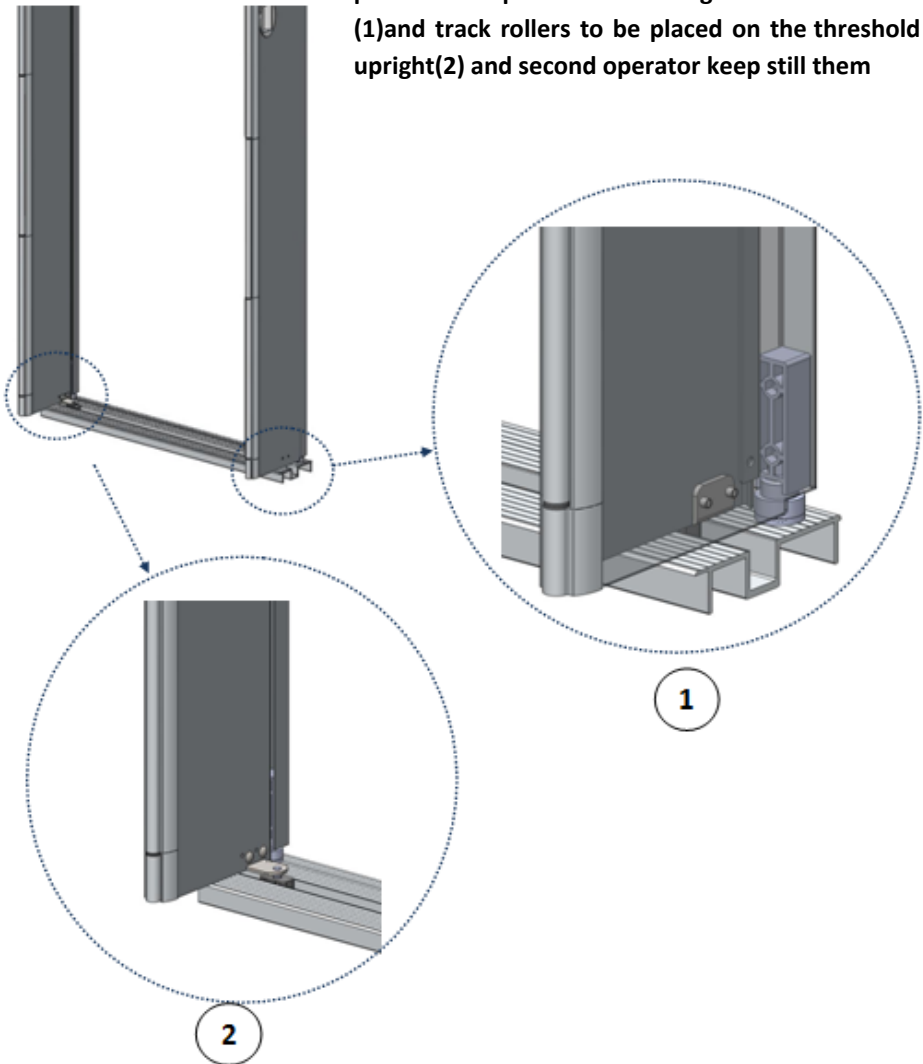
- Now the panel is ready to cabinet assembly after these works are done.

#### MECHANIC ASSEMBLY– 4. Panel and Assembly of Mechanism Box

✓ For this work 2 people are needed.

Bottom Side;

Plastic routes which are on the bottom of the panels to be placed the bearings on the threshold (1) and track rollers to be placed on the threshold upright (2) and second operator keep still them

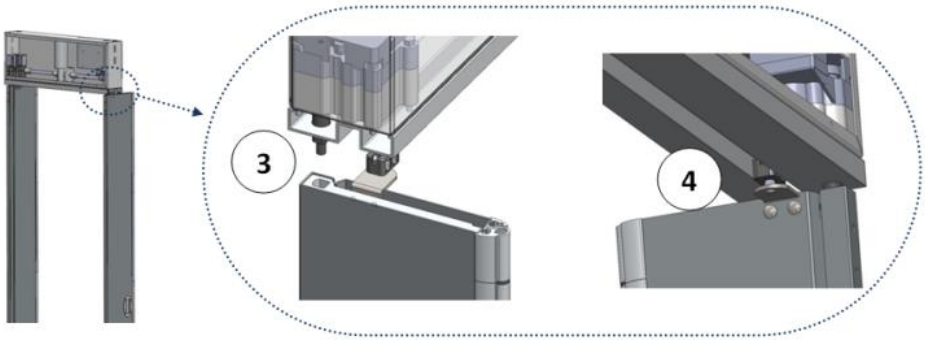


### MECHANIC ASSEMBLY– 3. Panel and Assembly of Mechanism Box

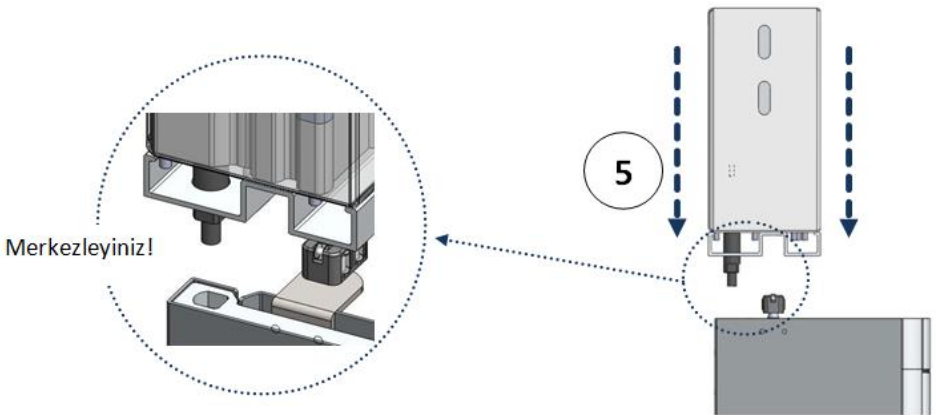
Upper Side;



- Motion shafts which are in the mechanism box, to be positioned on the drive lever which is upper side of the panel (3) and track rollers to be placed upper rail channel (4)



- Later on mechanism box, to be fixed on its place by lowered towards bottom through cabinet side walls(5)



- Finally, mechanism box, to be fixed with nuts and bolts on left and side of the 2 pieces of fixing holes and to be secured

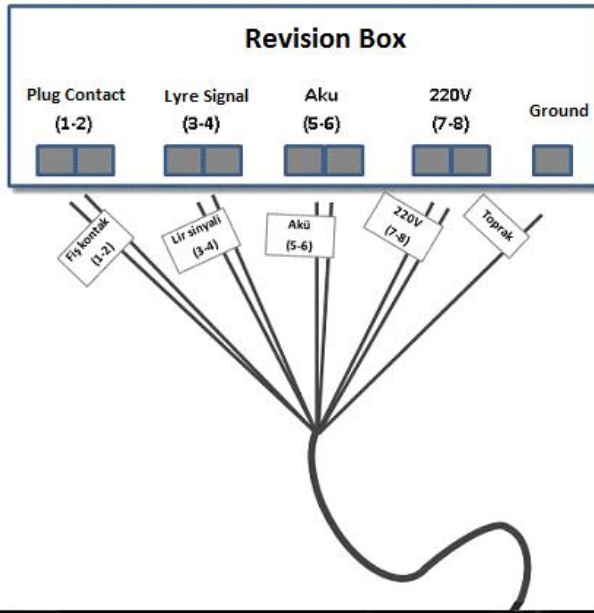
Now the doors mechanical assembly is completed.

- ✓ ***Before continue to electrical assembly door panels to be checked by hands opening and closing the door in order to check the door working.***

#### ✓ **ELECTRICAL ASSEMBLY**

- ✓ ***To prevent electrical accidents, before starting all electrical connections must be cut!***

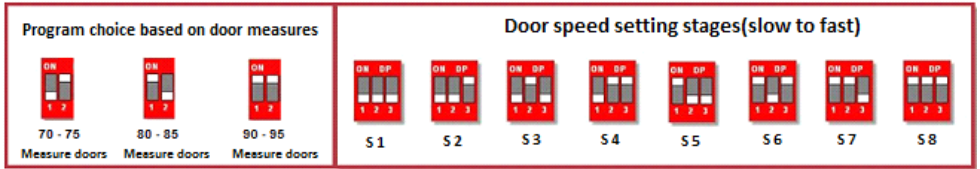
- Folding door electric assembly to be done by connecting named and numbered 9 cable lead which is in the mechanism box, into allocated places on the revision box



Revision Box  
 Plug Contact, Lyre Signal, Battery, 220 V, Grounding  
 (1-2) (3-4) (5-6) (7-8)

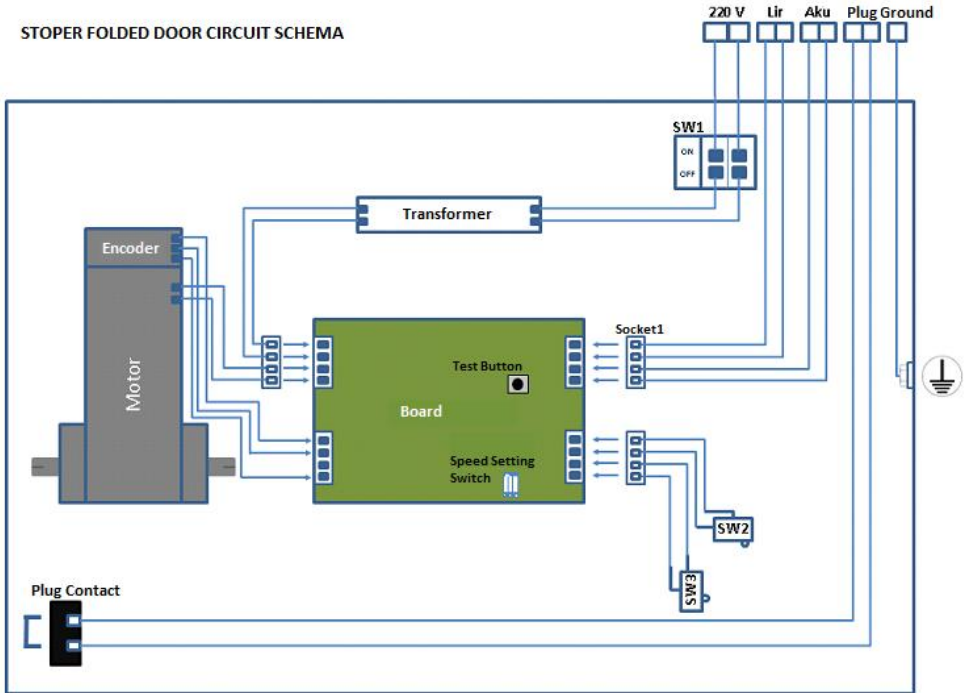
### ELECTRICAL ASSEMBLY

- Speed of Stoper folded door, can be set with speed setting switch which is on the circuit board on 8 stages as explained below
- Measure the appropriate program selection can be made Stoper folded door



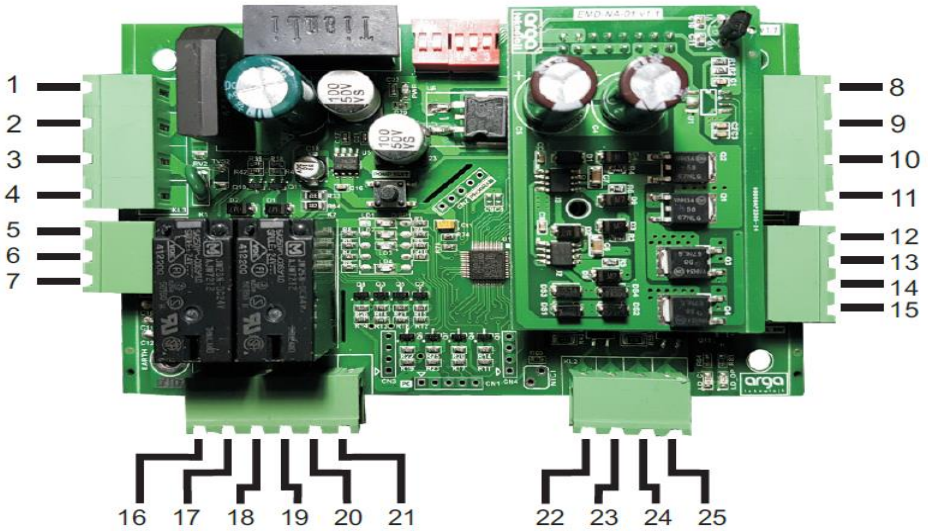
## STOPER KATLANIR KAPI DEVRE ŞEMASI STOPER FOLDED DOOR CİRCÜİT SCHEMA

STOPER FOLDED DOOR CİRCÜİT SCHEMA



✓ *After completing electrical assembly, working control must be done by using test button which is on the circuit board.*

### CONTROL CARD



### PRODUCT SPECIFICATIONS

INPUT VOLTAGE  
18VAC/24VDC  
INPUT CURRENT: 2,5 A  
Maks  
MOTOR VOLTAGE : 24 VDC  
Maks

MOTOR CURRENT: 2,5 A Maks

POMP İMPUT 12-220 VDC  
VOLTAGE 12-220 VAC  
RANGE (50-60Hz)

BATTERY VOLTAGE : 24 VDC

### LED INDICATORS

LD1 : DOOR BLOCKED  
LD2 : ENCODER ERROR  
LD3 : MOTOR ERRORI  
LD4 : HEARTBEAT LED

### KART ÇIKIŞLARI

<b>1</b> SUPPLY VOLTAGE (+)	<b>11</b> BATTERY INPUT (-)	<b>21</b> DOOR CLOSED RELAY NO
<b>2</b> SUPPLY VOLTAGE (-)	<b>12</b> DOOR OPENED SW 1	<b>22</b> DOOR OPEN INPUT TERMINAL 1
<b>3</b> MOTOR TERMİNAL 1	<b>13</b> DOOR OPENED SW 2	<b>23</b> DOOR OPEN INPUT TERMINAL 2
<b>4</b> MOTOR TERMİNAL 2	<b>14</b> DOOR CLOSED SW 1	<b>24</b>
<b>5</b> ENCODER SUPPLY VOLTAGE (+)	<b>15</b> DOOR CLOSED SW 2	<b>25</b>
<b>6</b> ENCODER SUPPLY VOLTAGE (-)	<b>16</b> DOOR OPENED RELAY NC	<b>26</b> DOOR TYPE SELECTION
<b>7</b> ENCODER PULSE INPUT	<b>17</b> DOOR OPENED RELAY COM	<b>27</b> DOOR SPEED SELECTION
<b>8</b> POMP TERMINAL 1	<b>18</b> DOOR OPENED RELAY NO	<b>28</b> TEST BUTTON
<b>9</b> POMP TERMINAL 2	<b>19</b> DOOR CLOSED RELAY NC	<b>29</b> ERROR AND STATUS LEDS
<b>10</b> BATTERY INPUT (+)	<b>20</b> DOOR CLOSED RELAY COM	<b>30</b> DOOR LIMIT SWITCH LEDS

### TROUBLESHOOTING

**PROBLEM:**

*Product is detecting “ door block” situation while door is closing opening.*

*Solution:*

- 1. Cut the power of the product and wait until all LED indicators are off.*
- 2. Be sure that the cables comes from door open and door close switch,connected to correct terminals.*
- 3. If there is any terminal you detach from product, attach them back and connect power to the product again.*
- 4. If the problem still persists, it could be door rail and Wheel problem. Apply next step*
- 5. Repeat step (1)*
- 6. Check door rail installation. Be sure there is no strain. Check the wheels of the door.*
- 7. Repeat step (3)*
- 8. If the problem still persists, communicate for technical support.*

**PROBLEM :**

*There is a gap when door has opened or closed. Door doesn't move correctly.*

*Solution :*

- 1. Cut the power of the product and wait until all LED*
- 2. Check the panels of the elevator door and be sure about installation is correct*
- 3. Check the door type selection and be sure it is right*
- 4. Try different door speed settings. Try to find the correct setting for your door.*

**PROBLEM :**

*Door doesn't move.*

*Solution :*

- 1. If LD4 is not blinking, communicate for technical support.*
- 2. If one of the LD2 or LD3 is on, cut the power of the product and wait until all LED indicators are off.*
- 3. Detach all terminals from the product. Check all your connections and re-screw all terminals.*
- 4. Attach all terminals to the product again. Be sure all terminals connected to the product correctly and connect power to the product.*

## **TECHNICAL SUPPORT**

- Stoper automatic folded door does not require any setting
- Comparing the traditional design contains less parts thus has long usage life and does not show fault.
- During maintenance does not require parts exchange as the door does not have worn parts such as belts etc.