

Compu**tec**

CDD6

Computec** Door Drive 6**

Special instructions

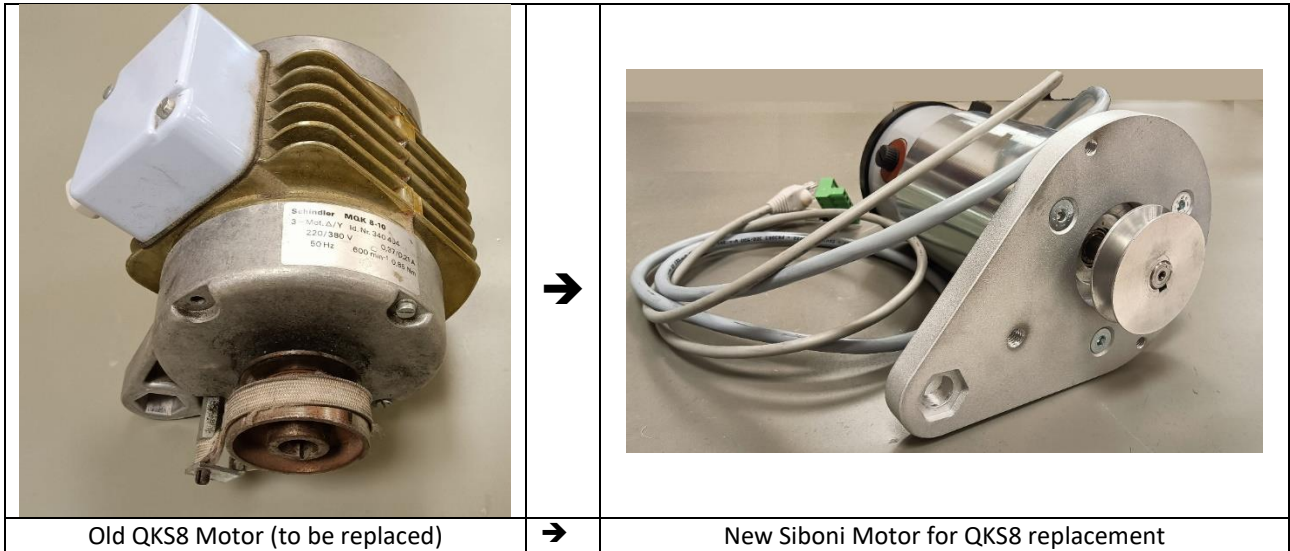
COMPATIBILITY WITH QKS8/9/10/11 MOTORS

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1 QKS8 Motor replacement

Old QKS8 Motor can be replaced with the new Siboni Kit for QKS8.

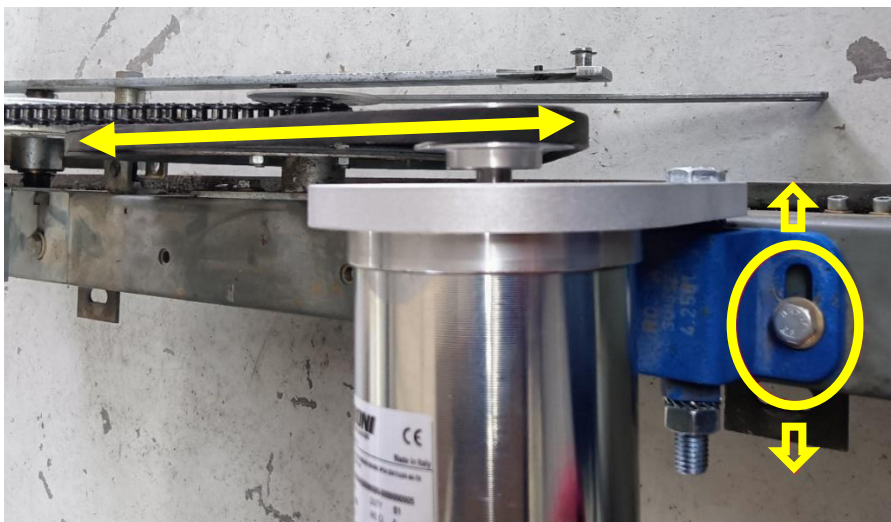


Installation

Adjust the position of the motor holder to align the motor and the door pulley.

Install the Siboni motor through the included screw by pulling the belt as much as possible.

IMPORTANT: check the motor fixation in order that the motor belt tension is correct (no belt slip on the motor pulley when moving the door manually).



Motor holder tuning

When motor installation is completed, connect the motor connectors to the specific plugs on the CDD6 X4 and X5 (as reported on CDD6 case label).

2 QKS9 / QKS10 Motor replacement

Old QKS9 / QKS10 Motor can be replaced with new Siboni Kit for QKS9 and QKS10.

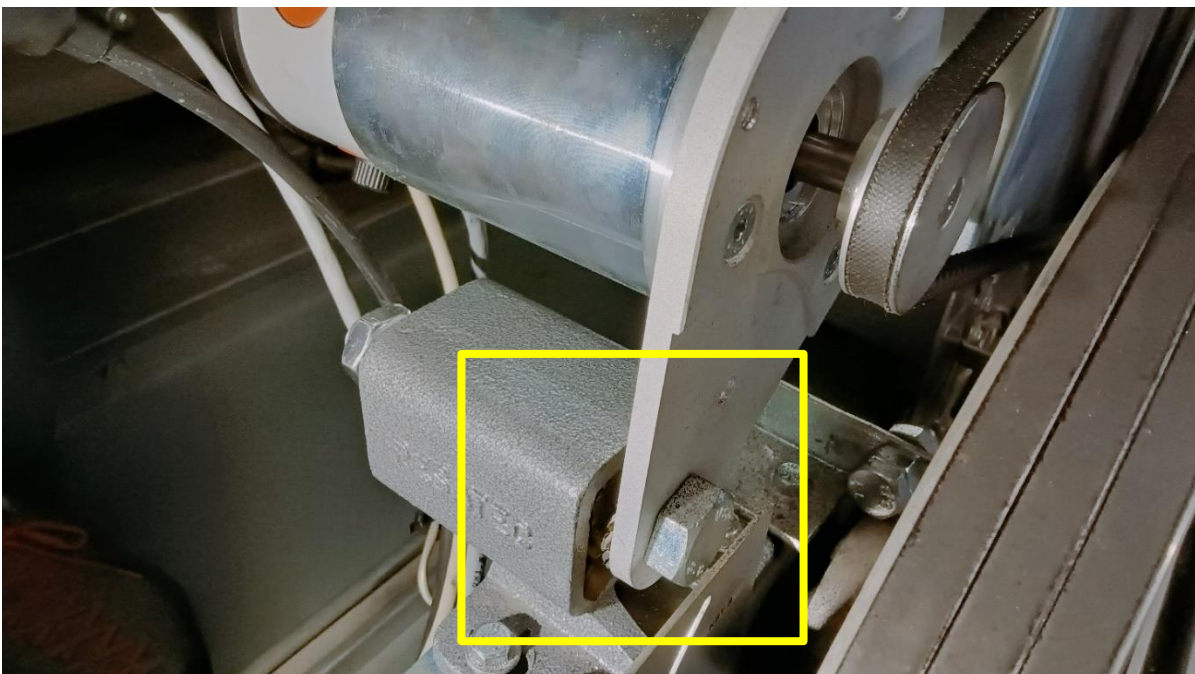


QKS9 kit

Installation

Install the Siboni motor through the included screw by pulling the belt as much as possible.

IMPORTANT: check the motor fixation in order that the motor belt tension is correct (no belt slip on the motor pulley when moving the door manually).

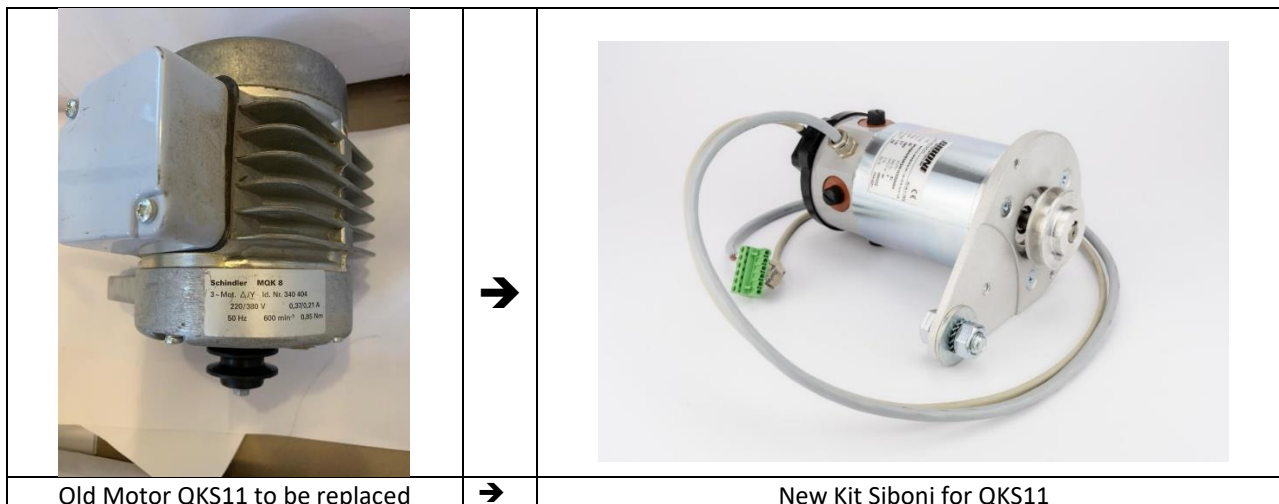


When motor installation is completed, connect the motor connectors to the specific plugs on the CDD6 X4 and X5 (as reported on CDD6 case label).

3 QKS11 Motor replacement

Old QKS11 Motor can be replaced with new Siboni Kit for QKS11.

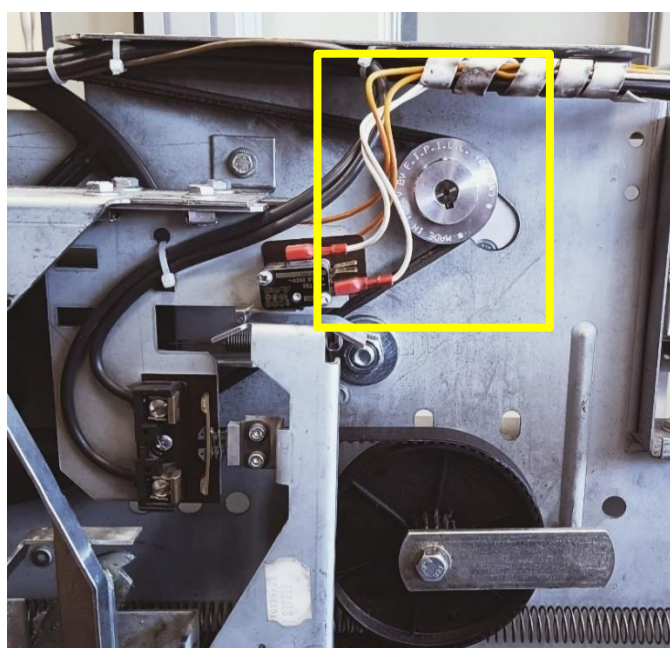
The motor kit (motor + mechanical flange adapter + pulley) that can be easily installed to replace the original motor, and connected to the CDD6 door drive.



Installation

Install the Siboni motor through the included screw by pulling the belt as much as possible.

IMPORTANT: check the motor fixation in order that the motor belt tension is correct (no belt slip on the motor pulley when moving the door manually).


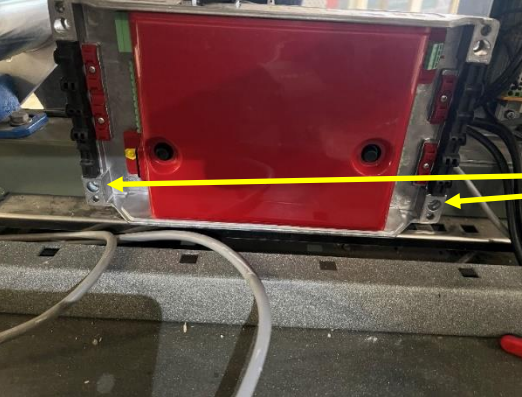
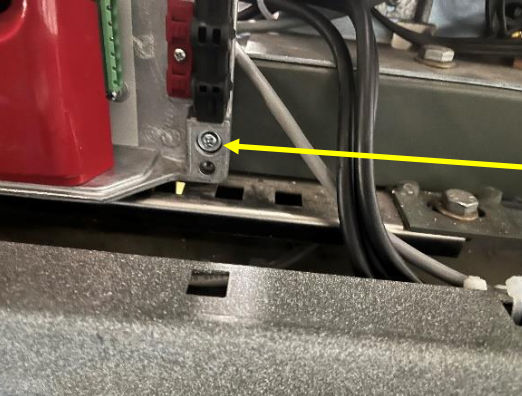


When motor installation is completed, connect the motor connectors to the specific plugs on the CDD6 X4 and X5 (as reported on CDD6 case label).

4 CDD6 door drive fixing

The CDD6 door drive needs to be fixed to the door header.

Here below a possible fixing solution is described. In this case, it is necessary to remove the CDD6 fixing brackets.

Step	Image	Actions
1		<p>CDD6 fixing place for QKS8 e QKS11.</p>
2		<p>Mark the holes with a pencil and drill them with a $\varnothing 4$ drill bit. Then fasten with self-tapping screws.</p>
3		<p>Screw detail, fixing completed.</p>

5 Signals connection

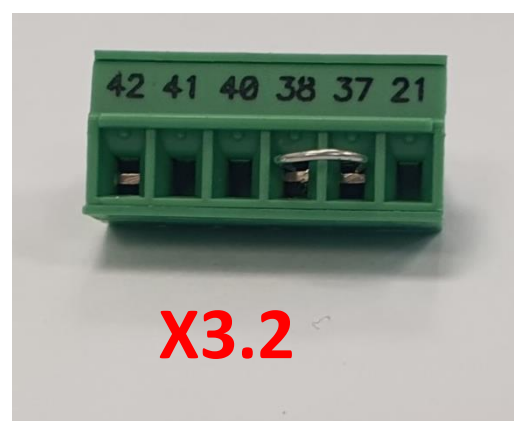
5.1 Inputs connection

Connect the common of the switches to pin 15 of X3.1 (if 24V comes from CDD6), the door closed switch limit to the pin 39 of X3.1 and the door open switch limit to the pin 40 of X3.2, as reported in the below table:

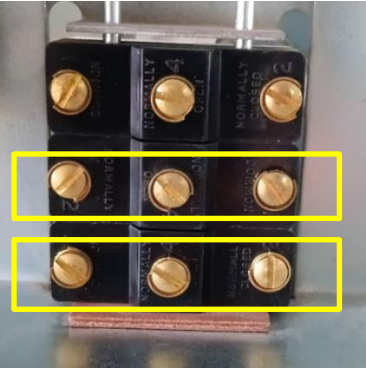
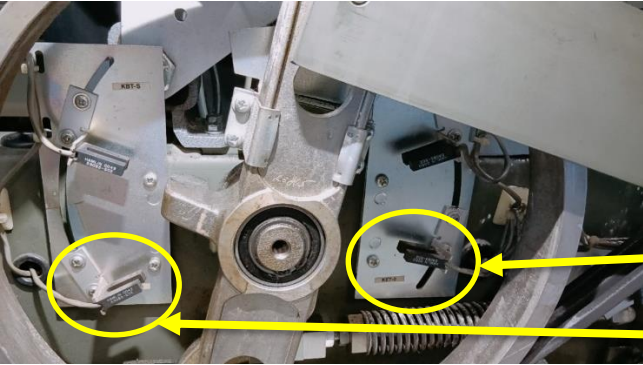
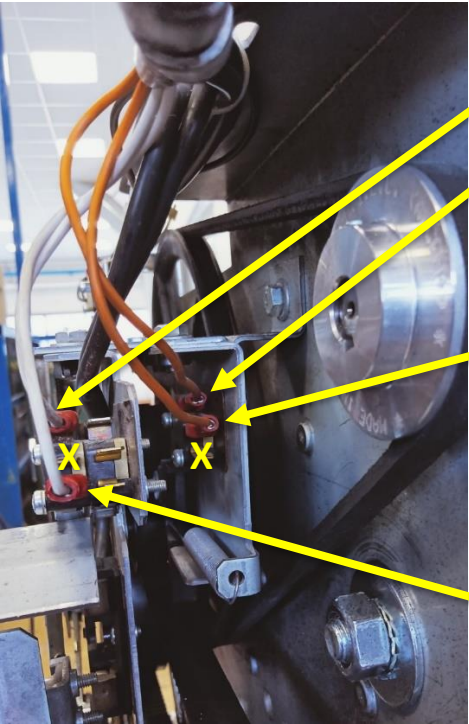
CDD6 input pin	Description
15	Common 24Vdc
39	Door closed switch
40	Door open switch

Check the table in the next page for the specific input connection based on different QKS application.

The contact of the switches opens in the end position.



The KET-O and KET-S signals removed from the original connection are used by the door drive. In case they need to be connected to the lift controller, please use the door open and door closed signals from CDD6 output plug, as reported in the next paragraph.

<p>QKS8</p>	 <p>Door closed switch</p> <p>Door open switch</p> <table border="1" data-bbox="1136 443 1428 607"> <tr> <td>NC(2) NO(4) COM(1)</td> </tr> <tr> <td>COM(1) NO(4) NC(2)</td> </tr> </table>	NC(2) NO(4) COM(1)	COM(1) NO(4) NC(2)
NC(2) NO(4) COM(1)			
COM(1) NO(4) NC(2)			
<p>QKS9 / QKS10</p>	 <p>Door open switch</p> <p>Door closed switch</p>		
<p>QKS11</p>	 <p>24Vdc common</p> <p>Door open switch</p> <p>Door closed switch</p>		

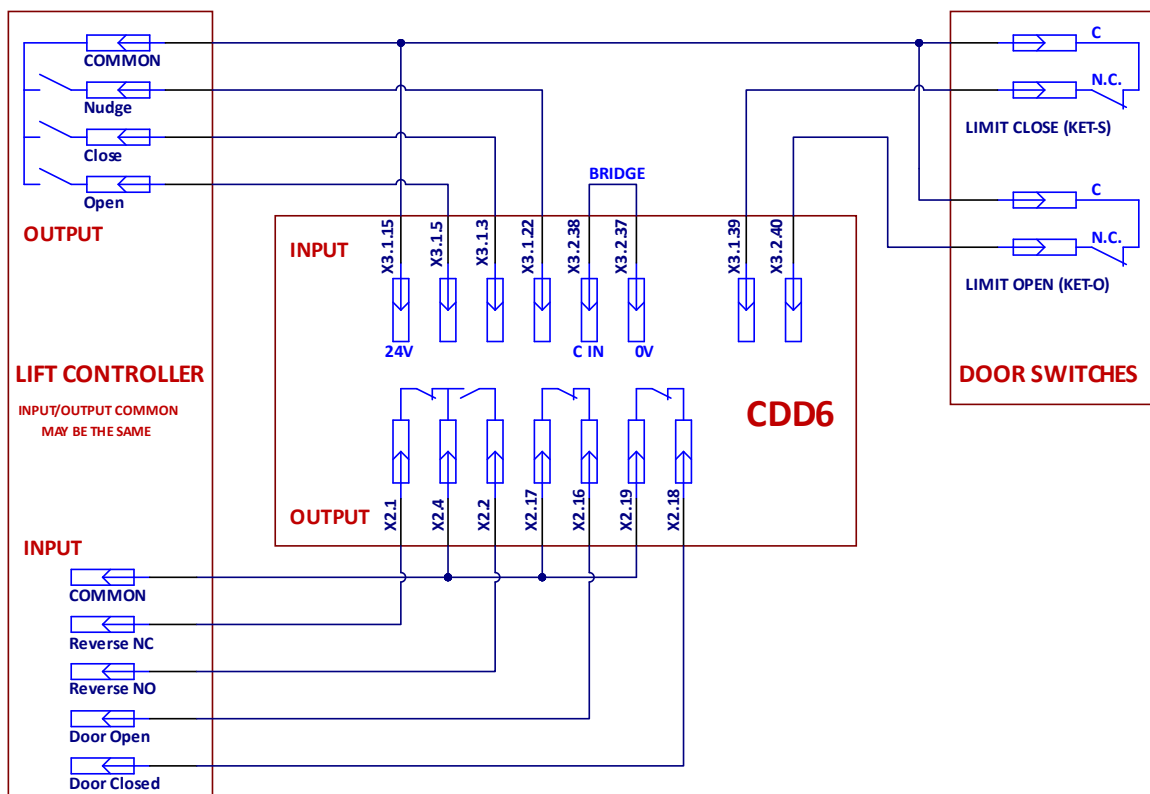
The contact of the switches opens in the end position.

5.2 Outputs connection

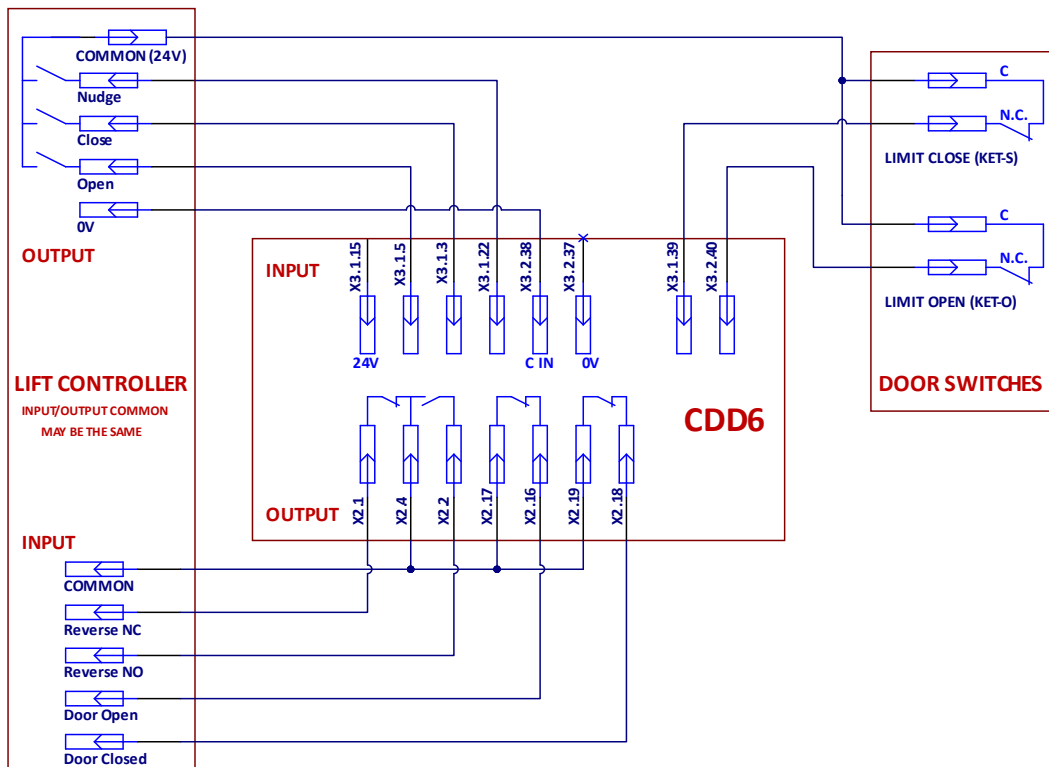
The DOS and DCS outputs from CDD6 replace the connection of KET-O and KET-S to lift controller (if present).

CDD6 out	QKS8/9/11 signal	Description
DOS (16-17)	KET-O	Door open switch
DCS (18-19)	KET-S	Door closed switch

5.3 Wiring example (24V from CDD6)



5.4 Wiring example (24V from Lift controller)



6 CDD6 parameter SET-UP and door LEARNING

Use the parameter P90 to select the right motor

P-90 option	Description
4	DC_1NM SIBONI_QKS
27	DC_2NM SIBONI_QKS (for QKS10)

Check settings of the door controller outputs DCS (KET-S) and DOS (KET-O) logic settings, according to the installation

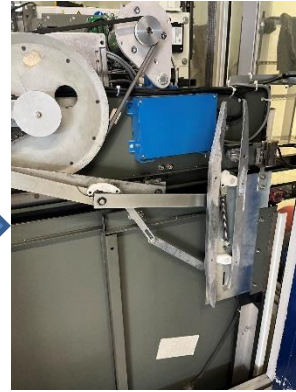
P-76: DCS output logic

P-76 values	Description
0 (default)	DCS normally CLOSED, opens at final door closed position
1	DCS normally OPEN, closes at final door closed position

P-77: DOS output logic

P-77 values	Description
0 (default)	DOS normally CLOSED, opens at final door open position
1	DOS normally OPEN, closes at final door open position

Please perform AUTOSET after every new installation or after mechanical tuning that may affect the door movement. **IMPORTANT: before to start AUTOSET, it is mandatory to put the door in CLOSED position (panels closed, clutch open),** as reported in the example image. AUTOSET starting: switch CDD6 off, press and keep pressed key1, press key ON. Keep Key1 pressed until CDD6 display shows “Au”.



In case of wrong connections, the following code may be displayed:

Error / Alarm	Description
ER01	AUTOSET does not start from closed position or there is belt slipping on the motor pulley
ER05	the door open/closed switches are not connected correctly
AL04	the motor is not connected correctly (swap motor cable 43 - 44)
AL05	the encoder is not connected correctly

After the AUTOSET please check the parameter P-28. This parameter sets the gap distance between the closed switch to the fully closed position of the skate and adjusts the last push of the motor to enter parking mode.

In case of need, check settings of the below parameters according to the installation.

P-43: Door open parking without current (set value 2 in case it is necessary to stop opening when the door open limit switch input is activated, without searching the final mechanical end position)

P-43 values	Description
0	Door open parking without torque disable (default value)
1	Door open parking without torque enabled
2	Space loop activated when door open limit switch is active

P-AE: door open parking current (change value if more or less parking current is needed)

P-AE values	Description
Default: 50% Range: [25;75] %	% of the available maximum parking current

P-CE: door closed parking current (change value if more or less parking current is needed)

P-CE values	Description
Default: 50% Range: [25;75] %	% of the available maximum parking current

Please refer to the CDD6 User Manual for more information about the full functionalities of the controller.