

Computec

CDD6

Computec Door Drive 6

Reference FW version: 01.07.000

Special instructions

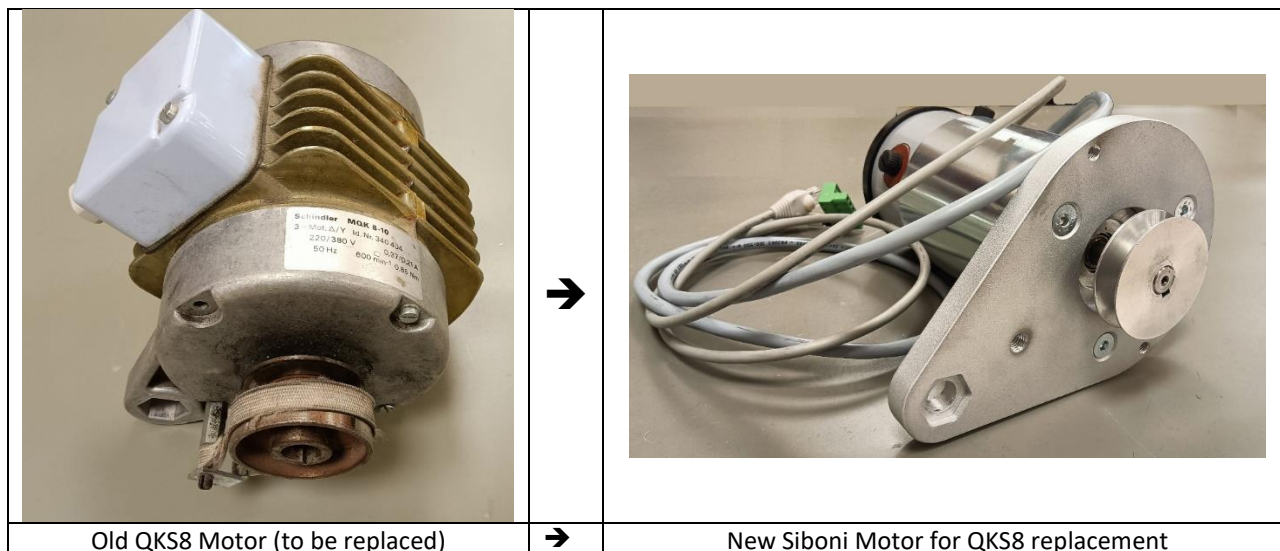
COMPATIBILITY WITH QKS8/9/10/11 MOTORS

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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.

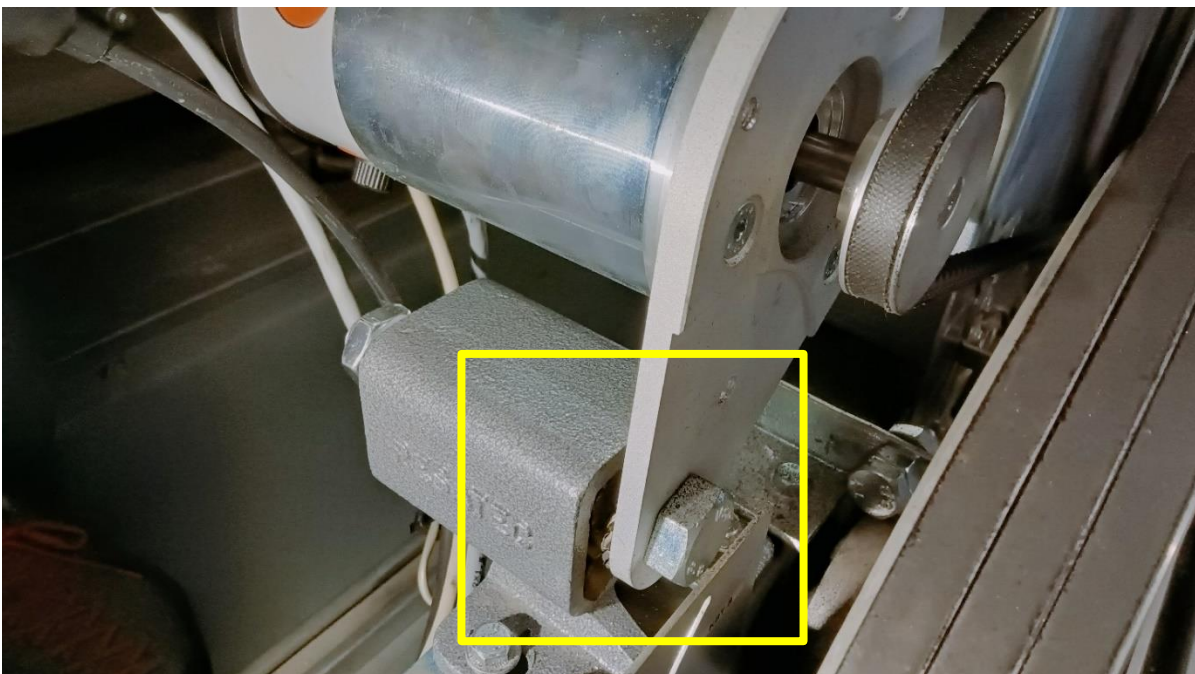


QKS9 kit

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).

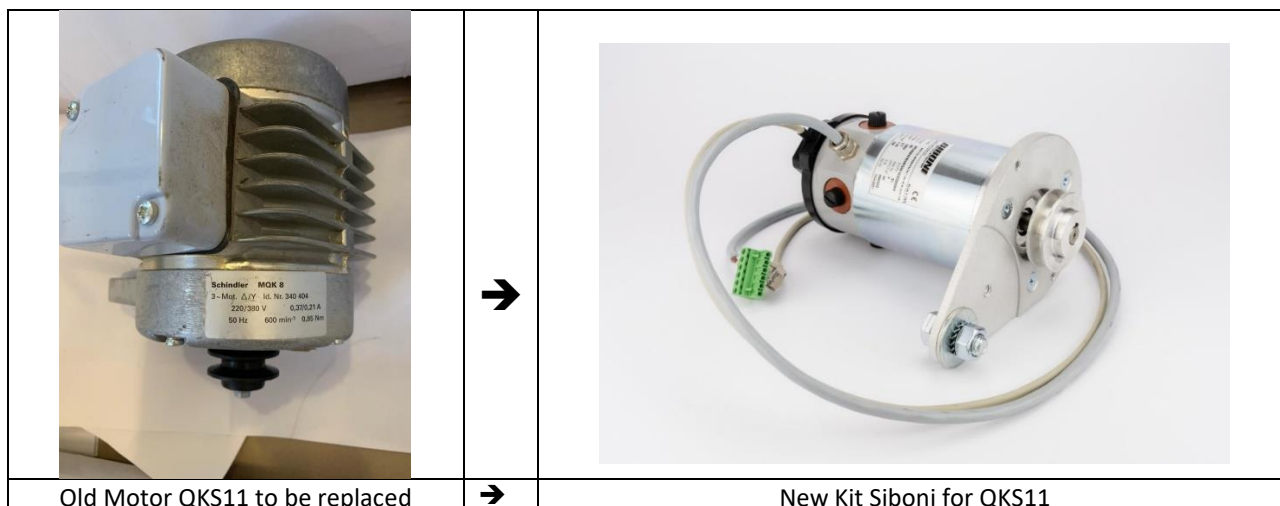


When motor installation is completed, connect the motor connectors to the specific plugs on the CDD6 X4 and X5 (as reported on CDD6 case label).

3 QKS11 Motor replacement

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

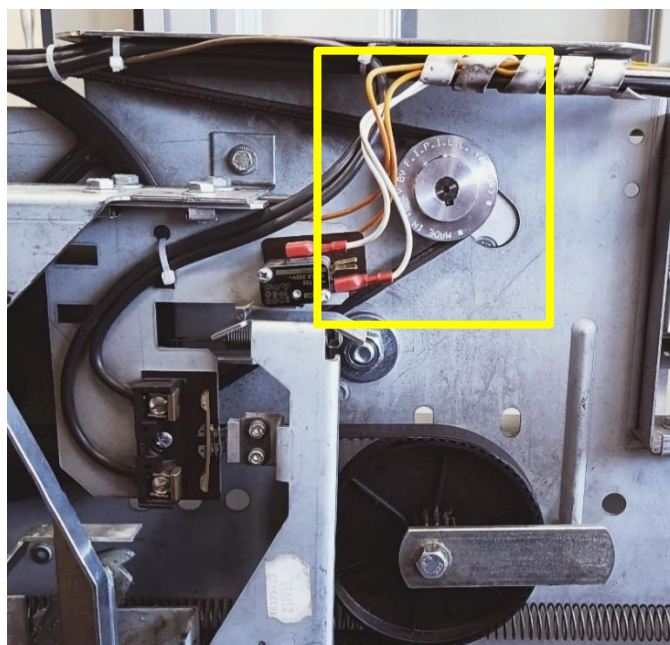
The motor kit (motor + mechanical flange adapter + pulley) that can be easily installed to replace the original motor and connected to the CDD6 door drive.



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).

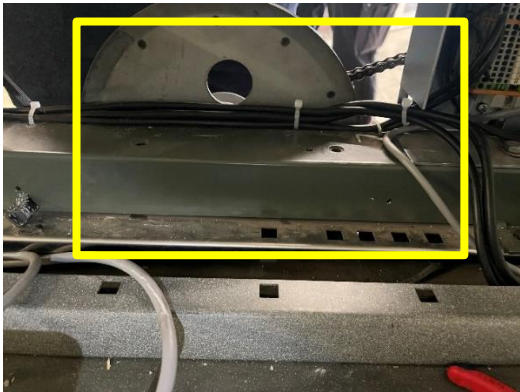
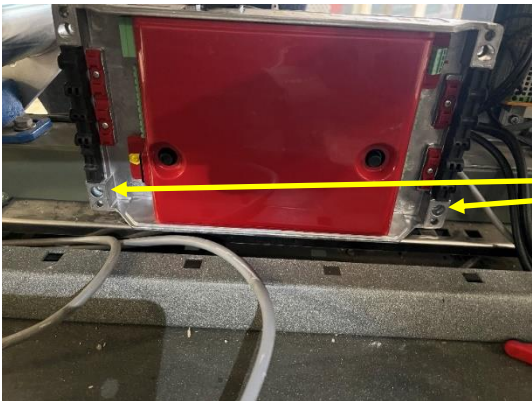
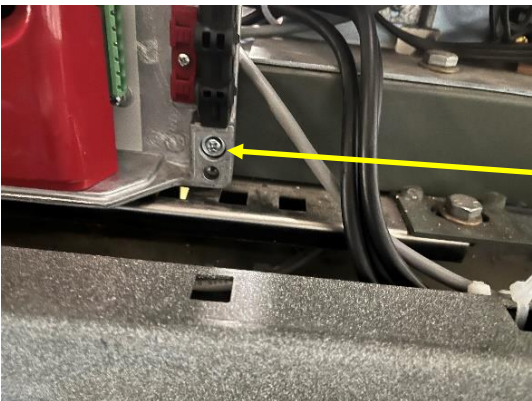


When motor installation is completed, connect the motor connectors to the specific plugs on the CDD6 X4 and X5 (as reported on CDD6 case label).

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		CDD6 fixing place for QKS8 e QKS11.
2		Mark the holes with a pencil and drill them with a Ø4 drill bit. Then fasten with self-tapping screws.
3		Screw detail, fixing completed.

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:

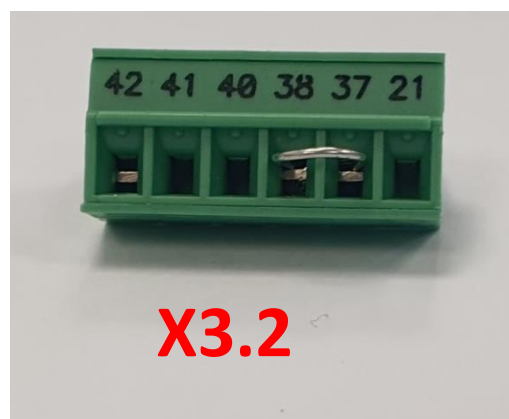
CDD6 input pin	Description
15	Common 24Vdc
39	Door closed switch
40	Door open switch

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

The contact of the switches opens in the end position.



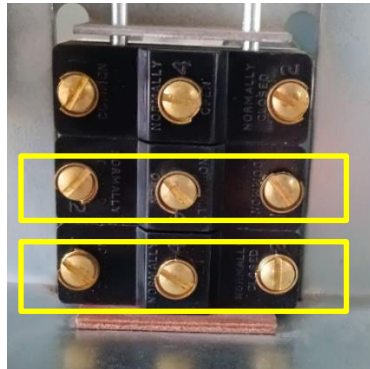
X3.1



X3.2

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.

QKS8



Door closed switch

Door open switch

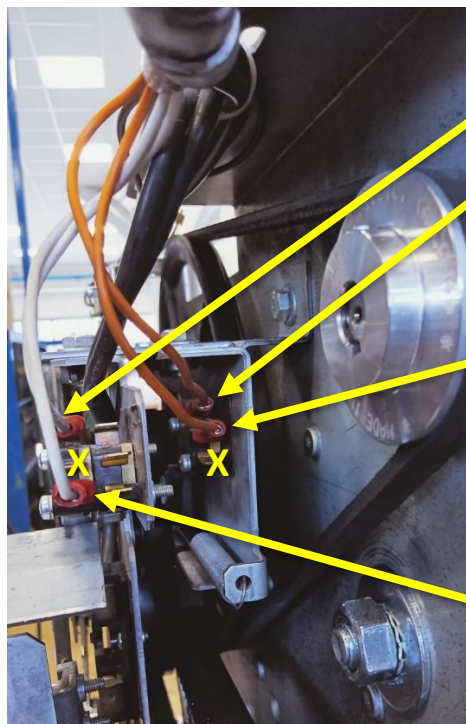
**QKS9 /
QKS10**



Door open switch

Door closed switch

QKS11



24Vdc common

Door open switch

Door closed switch

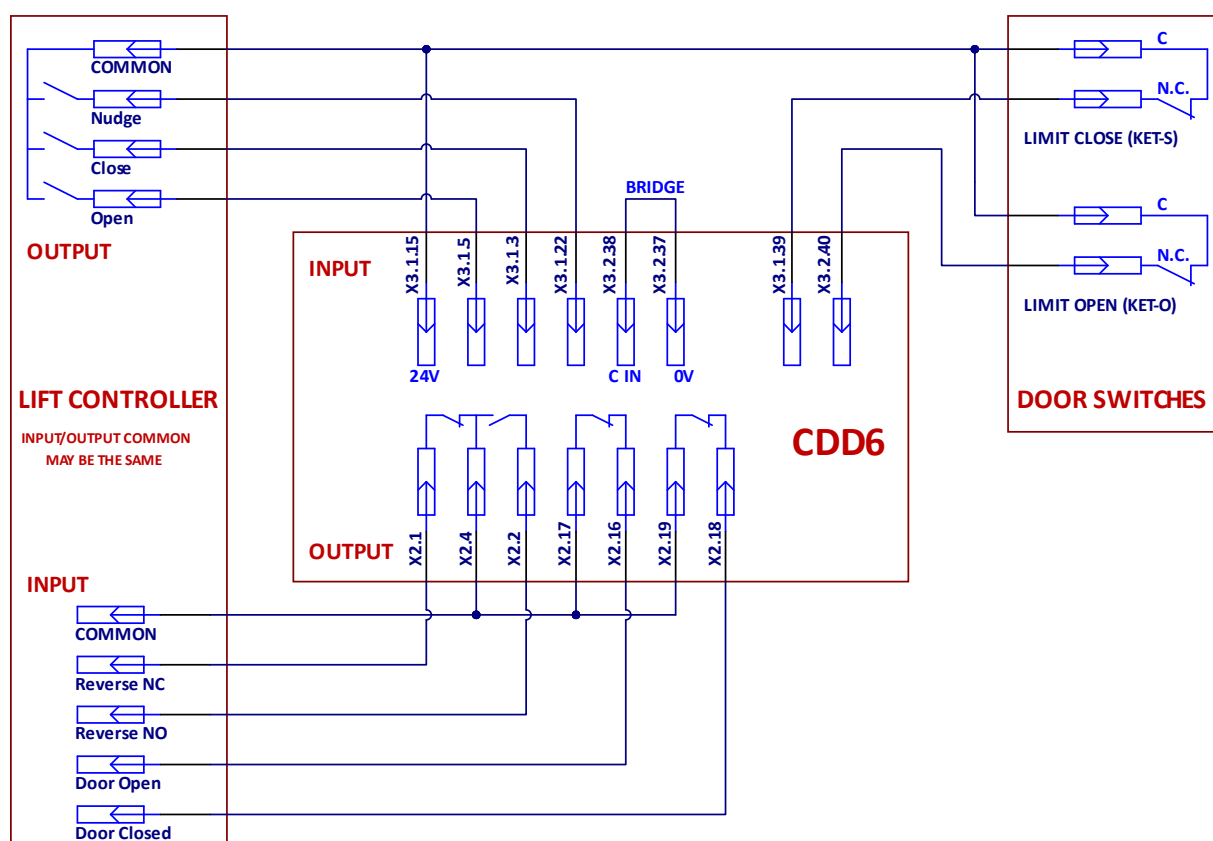
The contact of the switches opens in the end position.

5.2 Outputs connection

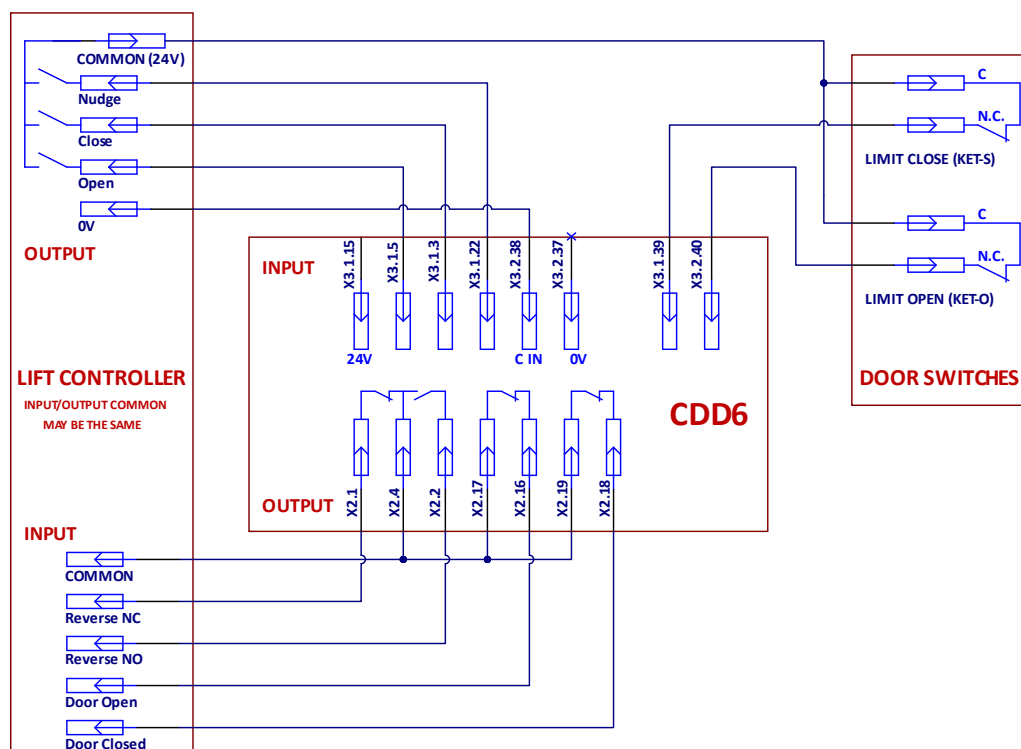
The DOS and DCS outputs from CDD6 replace the connection of KET-O and KET-S to lift controller (if present).

CDD6 out	QKS8/9/10/11 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_QKS8-11
27	DC_2NM SIBONI_QKS9-10
34	DC_1NM SIBONI_QKS with Poly-V Pulley

Selecting parameter P-90 for QKS models results in certain values being automatically adjusted:

Parameter	Description
AC-CC-CD	Maximum motor currents
B4-D4 = 2	Different speed profiles for QKS
AE = CE = 75	Parking current set to 75% *
05 = 2	Latch unlock attempt 10 s after mains power failure *
D7 = -1	Parking closed in instantaneous position *
00 = 1	Direction reversal managed by the control panel
43 = 2	Parking open in position
99 = 2	Interface: active-high inputs and RSC for low speed

D9 = 0	Exclusion of automatic adjustment of reversal force
B5 = 100	Opening profile symmetry 100%
A0 = 5	Open-parking position threshold search
A4 = 100	Skate opening speed
C4 = 100	Skate closing speed
A7 = 60	Final low speed during opening

* applicable to P-90 models only (value = 27)

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. To start **AUTOSET**: Switch off the CDD6, ensure the door is **CLOSED**, hold down button 1, then press **ON**. Keep button 1 pressed until the CDD6 display shows **"SL"**.



During **AUTOSET**, the skate dimension (**P-28**) and the closed-door contact position (**P-CF**) are measured. Parameter **P-28** defines the skate opening/closing travel at speeds **P-A4** and **P-C4**, while parameter **P-CF** defines the position of the closed panels relative to the zero position established by the mechanical stop. If required, adjust these parameters **only after** performing **AUTOSET**.

Since different door sizes are available for **QKS operators**, correct sizing of speeds and travel distances requires setting parameter **P-E4** to the door clear opening width, expressed in millimetres (for centre-opening doors, enter **half** of the clear opening width in parameter **P-E4**). This parameter can be modified **both before and after** **AUTOSET**.

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

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