Quick start

MetacoN Next fire door solutions

FS Control 400V

Step 1

Connecting motor cable DES

ge(8)
br (6)
re (10)
ws (5)
gr (9)
gn (7)

Lern
Minus
Plus

ADES2-V4

1 Motor - U
2 Motor - V
3 Motor - W
4 Motor - N

PE

MO710DZCH V6

PE

rt (12)

bl (11) 5 4

ZBNBF V2

Motor cable
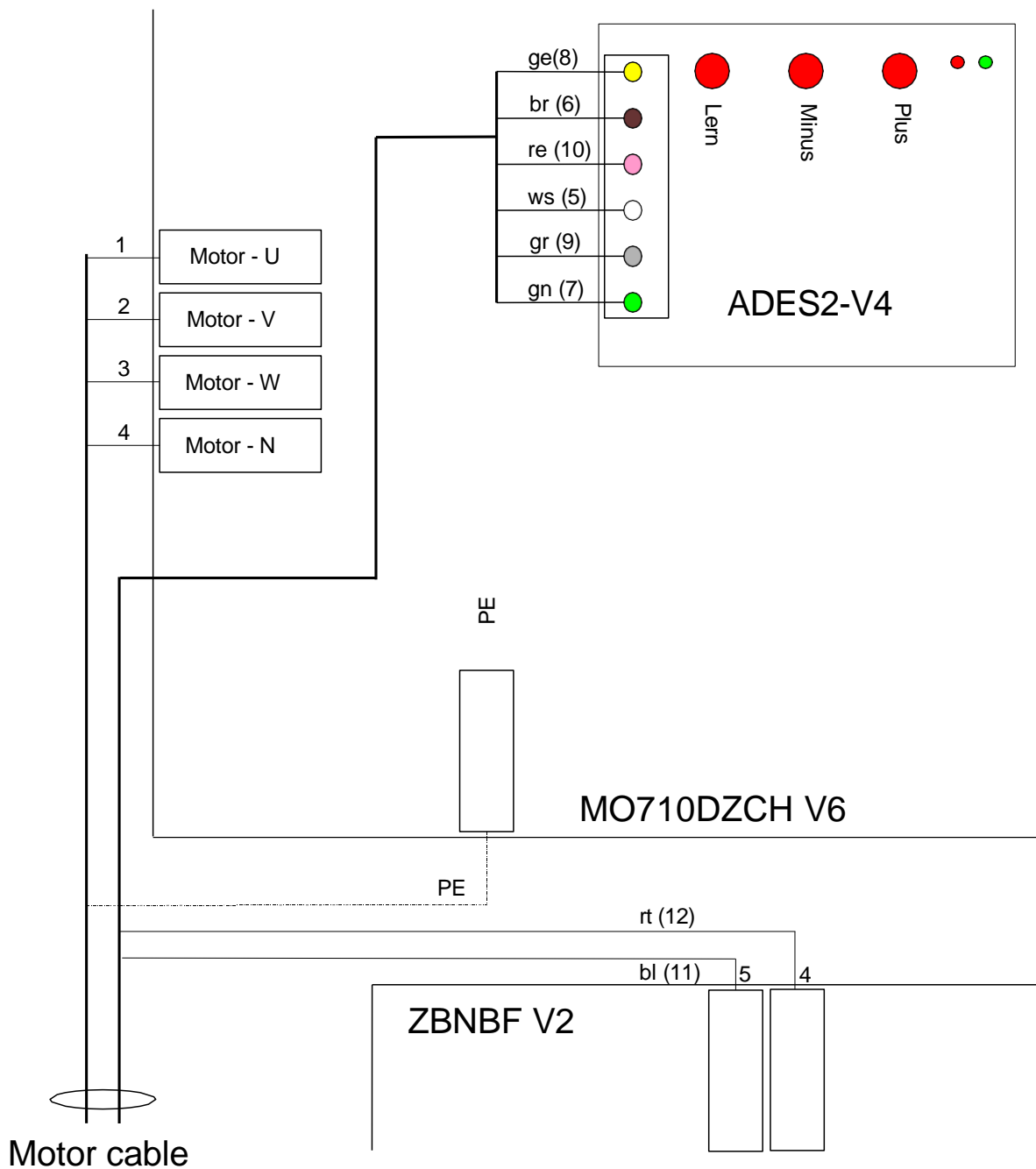
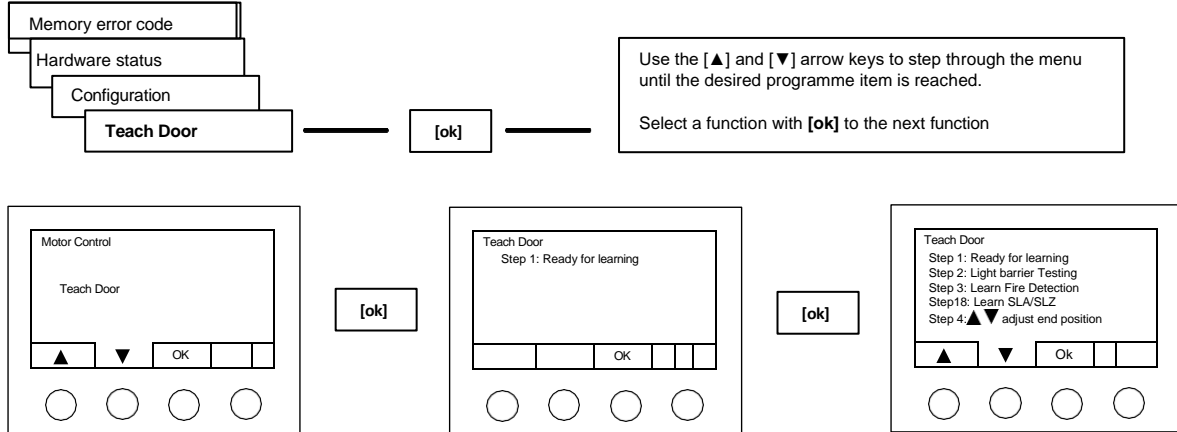# Step 2 (this process must be completed)

Adjusting digital limit switches

Now go to the **[Teach Door],** press the right button on the display, the Metacon-Next Display PIN-code = 2841

The display shows

| Memory error code |
| Hardware status |
| Configuration |
| **Teach Door** |

——— [ok] ———

Use the [▲] and [▼] arrow keys to step through the menu until the desired programme item is reached.

Select a function with **[ok]** to the next function

Motor Control

Teach Door

▲   ▼   OK

[ok]

Teach Door
Step 1: Ready for learning

OK

[ok]

Teach Door
Step 1: Ready for learning
Step 2: Light barrier Testing
Step 3: Learn Fire Detection
Step18: Learn SLA/SLZ
Step 4:▲ ▼ adjust end position

▲   ▼   Ok

⚠ Note !! <u>do not</u> press [OK] at step 4 yet
the limit switches are not yet learned

If you accidentally press [OK], the learning program will automatically return to Step 1 for safety reasons, as the safety circuit has not yet been closed. This is indicated by the [STOP] LED on the base circuit board MO710DZCH V6, which is still off.

Put the ADES2 in learning mode, press learning key **[LERN]** on the ADES2 for more than 3 sec. in this learning mode, the safety circuit (SK-IN SK-OUT) is closed, the green LED now flashes, this means that the end position **open** can be learned.

Now go up in Deadman with the arrow key and set the gate to its end position open. At correct end position open, release the arrow key, try to reach end position open with short small pulses as little as possible, rather go back a good bit if necessary and start again.

Capture the open position in the ADES2

At the correct end position **open**, press the **[LERN]** button of the ADES2, the green LED stops flashing.
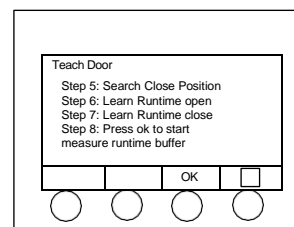The green LED stays on continuously and the SEA LED on the MO710DZ V6 PCB goes off.

Capture the close position in the ADES2

The red LED now starts flashing, now find the correct end position **close**, release the arrow key and press the **[LERN]** key of the ADES2, the red LED stops flashing and lights continuously. The SEZ LED on the MO710DZ V6 PCB goes off.

Now continue with the learning programme

To learn the motor running time via the display on the MO710DZCH V6, now press the **[OK]** button in the display to start the motor running time programme, the controller first searches the position closed, runs open and then closed again.

If everything is learned correctly, the ADES2 and the MO710DZCH V6 PCB gives the following status.
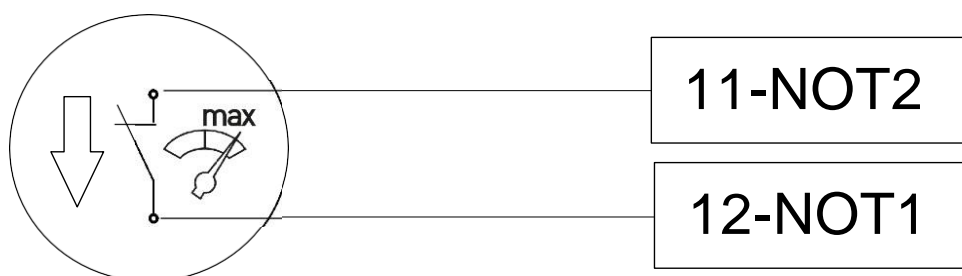
Teach Door

Step 5: Search Close Position
Step 6: Learn Runtime open
Step 7: Learn Runtime close
Step 8: Press ok to start
measure runtime buffer

OK

The green LED on the ADES2 lights up at end position open and the green SEA LED goes out on the MO710DZ
The red LED on the ADES2 lights up at end position closed and the green SEZ LED goes out on the MO710DZ

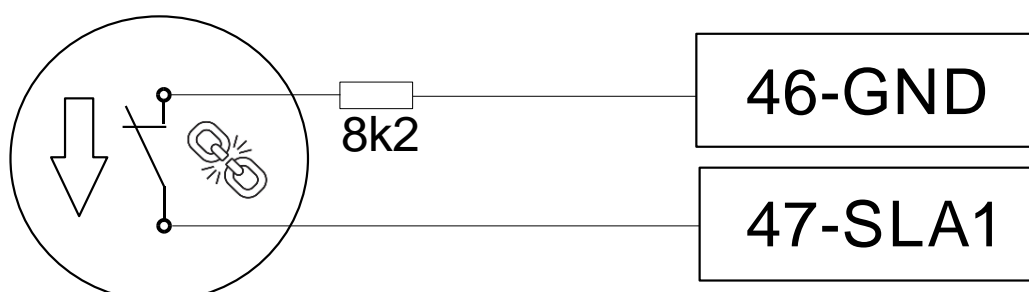Continue to follow the instructions on the MO710DZ display to exit the learning programme.

Step 3

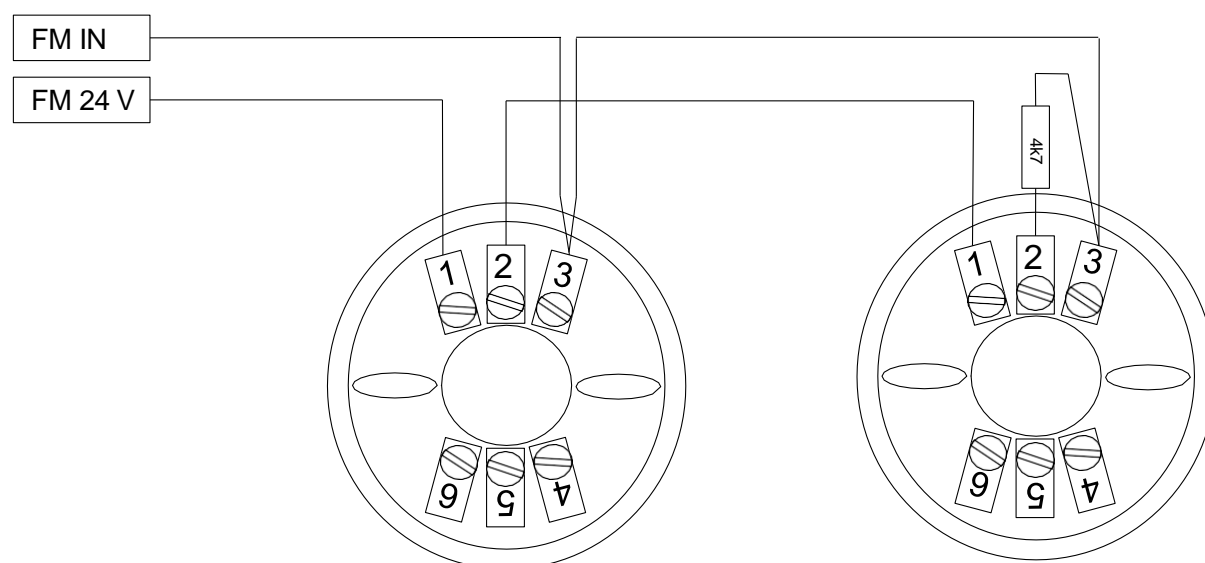**Connecting roll-off protection (drop bearing)**

max

11-NOT2

12-NOT1

Step 4

Connecting cable breakage protection (8k2)

8k2

46-GND

47-SLA1

Step 5

Connecting fire detector

FM IN

FM 24 V

4k7

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CE

11343 MO710DZFSA.MET BED quick EN
Quick start FS Control 400V

Step 6 (optional)

Connecting key switch or push buttons

| 01-GND |
02-BA1	Open
14-BS	Stop
39-BZ1	Close

↑ Open
0 Stop
↓ Close
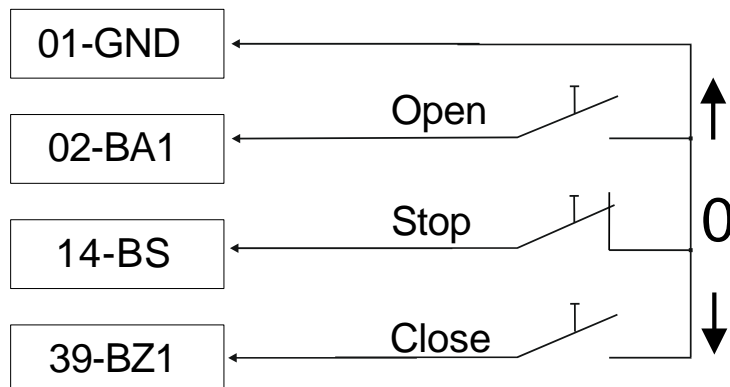
Step 7 (optional)

Connecting drawstring switch

| 34-GND |
| 35-BT | Open/Stop/Close |

↑↓
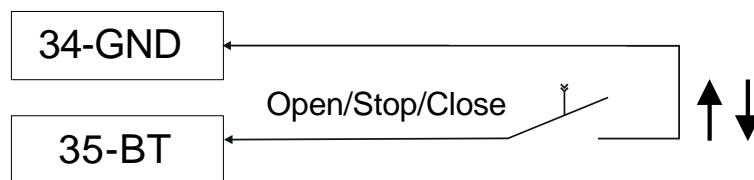
Step 8 (optional)

Light strip Ligi 07 OSE connected in the day

Not connected

grey   rose

black   brown   blue   white

Receiver Rx

29-SLZ1	black
54-24V	brown
28-GND	blue

Ligi 07 OSE

brown   blue   White

Transmitter Tx

black   rose   grey

Not connected

Light strip Ligi 01 OSE connected in the day

29-SLZ1 — green

54-24V — brown

28-GND — white

green | Brown | white | Yellow

Ligi 01 OSE

Receiver — Rx

brown | white | green

Not connected

Transmitter — Tx
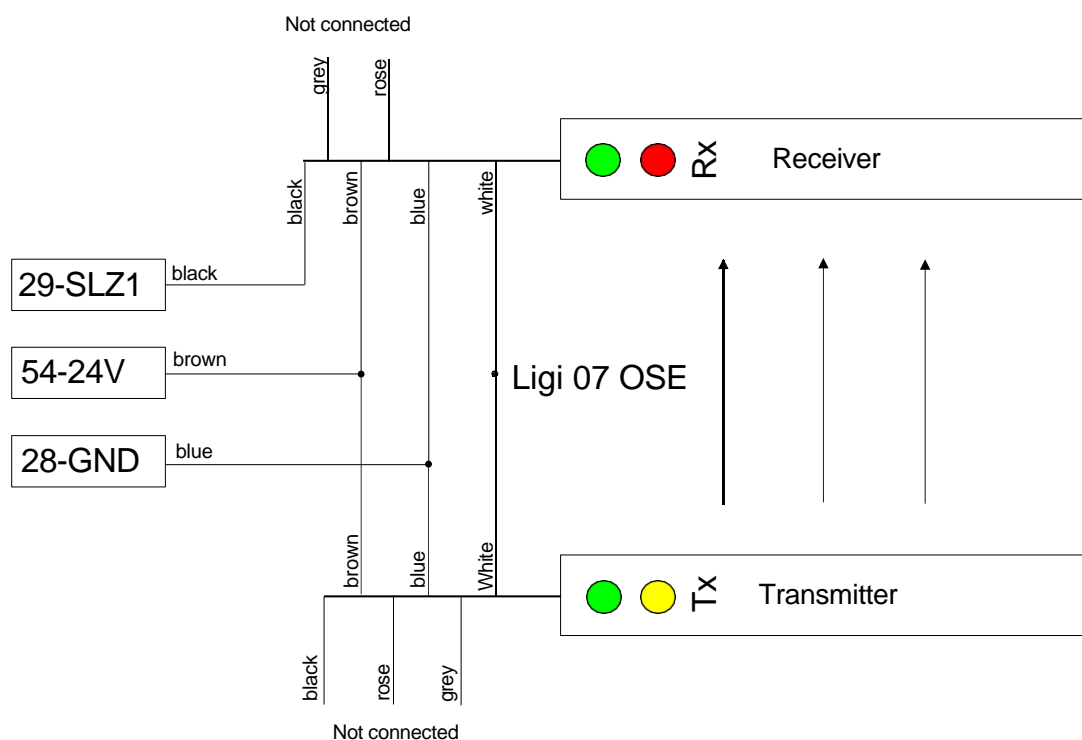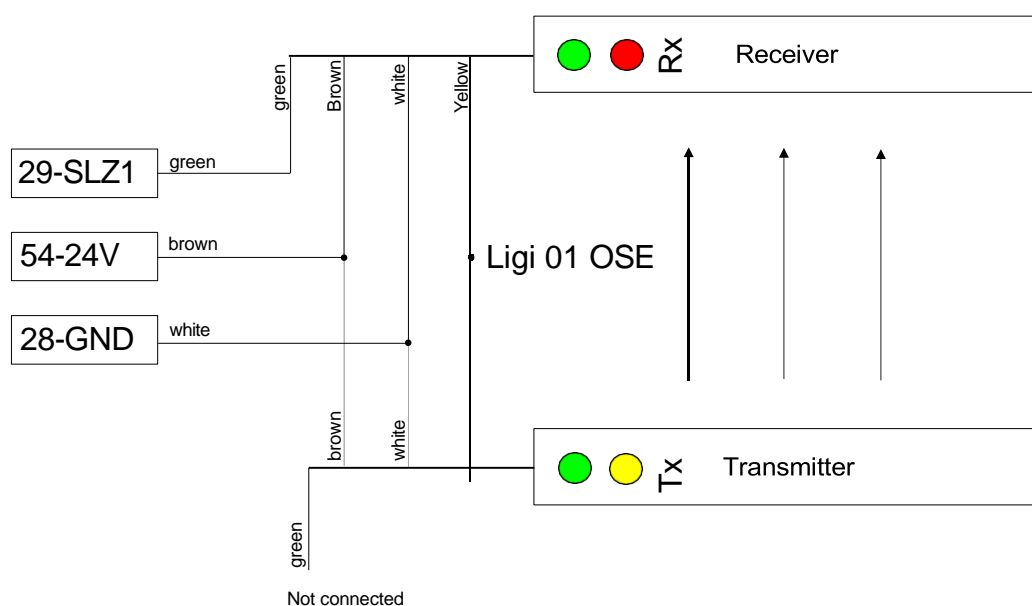
Light strip Ligi 01 OSE connected on the day

29-SLZ1

54-24V

28-GND

green | white | brown | yellow

Ligi 01 OSE

Receiver — Rx

white | brown | Yellow | green

Not connected

Transmitter — Tx
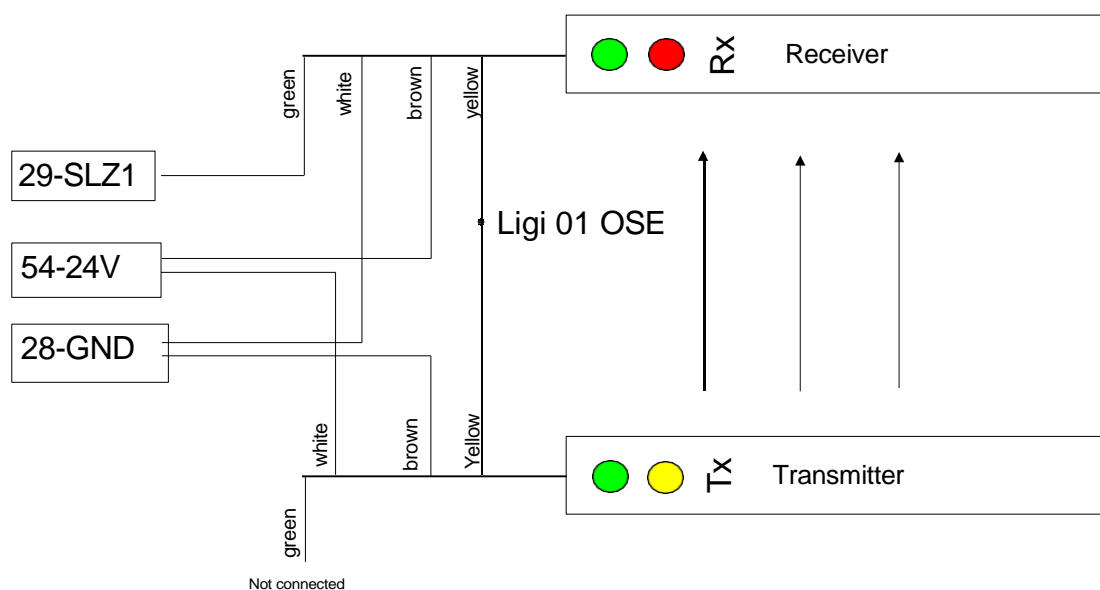
Display PIN= 2841

The display shows

Memory error code

Hardware status

Configuration   [ok]

Use the [▲] and [▼] arrow keys to step through the menu until the desired programme item is reached.

Select a function with **[ok]** to the next function
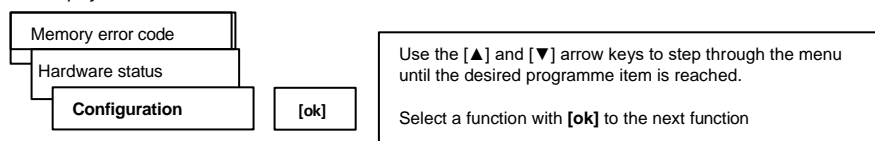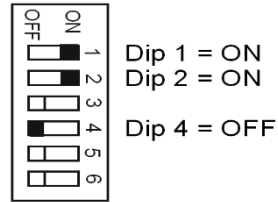
When using OSE light strips, go to the SLZ closing edge system function in the configuration menu and change 8K2 to OSE

Setting dip switches and display language

The dip switches are factory set as follows on the MO710DZCH V6 PCB:

Dip 1 = ON
Dip 2 = ON

Dip 4 = OFF

Dip switch 1 ON = [dead man] / OFF = [takeover] open
Dip switch 2 ON = [dead man] / OFF = [takeover] close
Dip switch 3 ON = [automatic] close after expiry of hold open and evacuation time
Dip switch 4 ON = [internal] / OFF = [external] limit switches (digital limit switches are external)
Dip switch 5 ON = [light] output on when door is open / OFF = [light] switch-on/off time 180 sec. when opening
Dip switch 6 n/a

Change the display language to your preference, if desired, via the menu [OPTIONS] & [LANGUAGE] PIN code 2841.

For manuals in other languages, use this QR code, in the menu, you can choose from English, German, Dutch, French and Polish.

For complete manuals or other languages use this QR code

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