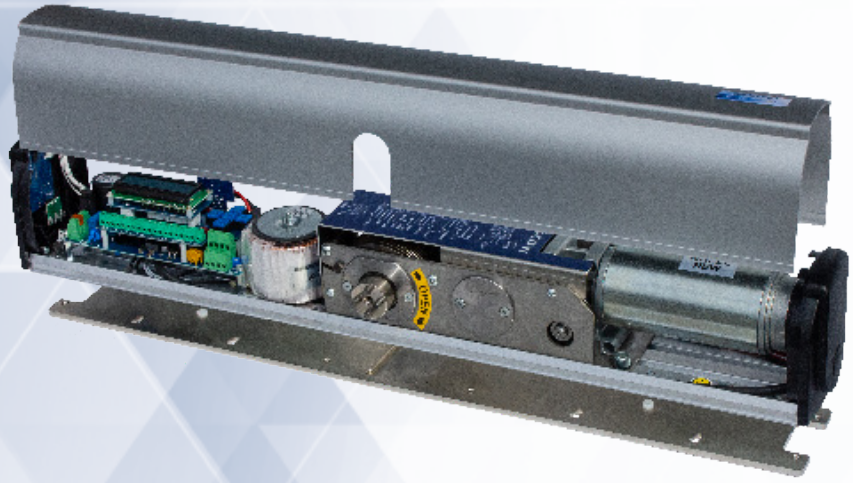
CDVI

Security to Access



DIGIWAY SR

Electromechanical swing door operator with a return spring, for inward- and outward-opening doors.

Download the Digiway app

SCAN ME

EN

Content Page

General safety instructions

This manual is for professionally trained personnel only. Installation and connections must comply with current standards and regulations. Electrical work must be performed by authorized electricians, as poor installation can pose hazards. Carefully read this manual before starting the installation.

Ensure the door automation system is suitable for the environment. Verify door weight, width, and other specifications. Connect the system to the building's power supply using a thermo-magnetic circuit breaker with a minimum contact opening of 3 mm. Prevent entrapment between the door and surroundings. Check all connections and installations before powering the system.

Disconnect the unit from power during cleaning and maintenance. Regularly inspect for wear, damage, or imbalance in cables, springs, and fasteners. Keep the door area clear of debris to avoid malfunctions. Do not use the system if repairs or adjustments are needed.

Follow the manufacturer's instructions and use only original spare parts. The system must be installed indoors. Outdoor installations without suitable protection or in explosive or flammable environments are prohibited. The manufacturer is not liable for improper components or installations.

Machinery Directive

Automatic pedestrian doors fall into the application field of the Machinery Directive (2006/42/CE).

THIS STATES THAT THE INSTALLER WHO MOTORIZES A DOOR BECOMES THE MANUFACTURER OF A MACHINERY AND SO MUST:

1. Prepare the Techincal Construction File (which must contain the documents indicated in Annex V of the Machinery Directive) and must be kept and placed at the disposal of competent national authorities for at least ten years from the date of manufacture of the motorised door.
2. Draft the EC Declaration of Conformity in accordance with Annex II-A of the Machinery Directive
3. Affix the CE marking on the power operated door in accordance with point 1.7.3 of Annex I of the Machinery Directive

(Manufacturer's company name, address, machine designation, CE marking, serial number, etc.)

The installer must consign to the customer the following documents:

1. Instructions on how to operate and safely use the system.
2. Routine maintenance instructions.
3. Declarations of conformity.
4. Maintenance register.

Instructions for use

The operator DIGIWAY-SR belongs to the Service Class 5 (600 cycles a day for 5 years).
Applications: HEAVY DUTY, for pedestrians access to institutional complexes with very intense use.

Declaration of Conformity

(according to Directive 2006/42/EC, Annex II part B)

The Manufacturer

CDVI WIRELESS SPA
Via Piave,23
31020 S.Pietro di Feletto (TV)
ITALY

Herewith declares that the automatic operator for swing doors

Brand : CDVI
Type : DIGIWAY-SR
P/N : DWSR10xBT

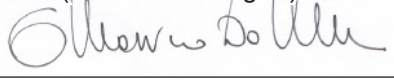
- constitutes a "partly completed machinery" and it is intended to be incorpored into machinery or to be assembled with other machinery to constitute a machinery covered by Directive 2006/42/CE;
- complies with the following Directives :

2014/35/UE (Low Voltage Directive)
2014/30/UE (Electromagnetic Compatibility Directive)
2014/53/UE (RED)
2011/65/UE (RoHS)
European Standard EN16005 : Power Operated doorsets - Safety in Use

- it is not allowed to put the machinery into service until the machinery into which it has to be incorporated or of which it has to be a component, has been found and declarated to be in compliance with the provisions of the Directive 2006/42/EC.

S.Pietro di Feletto, 1/11/2017

G. Massimo Dalle Carbonare
(Product manager)



Identify components and parts

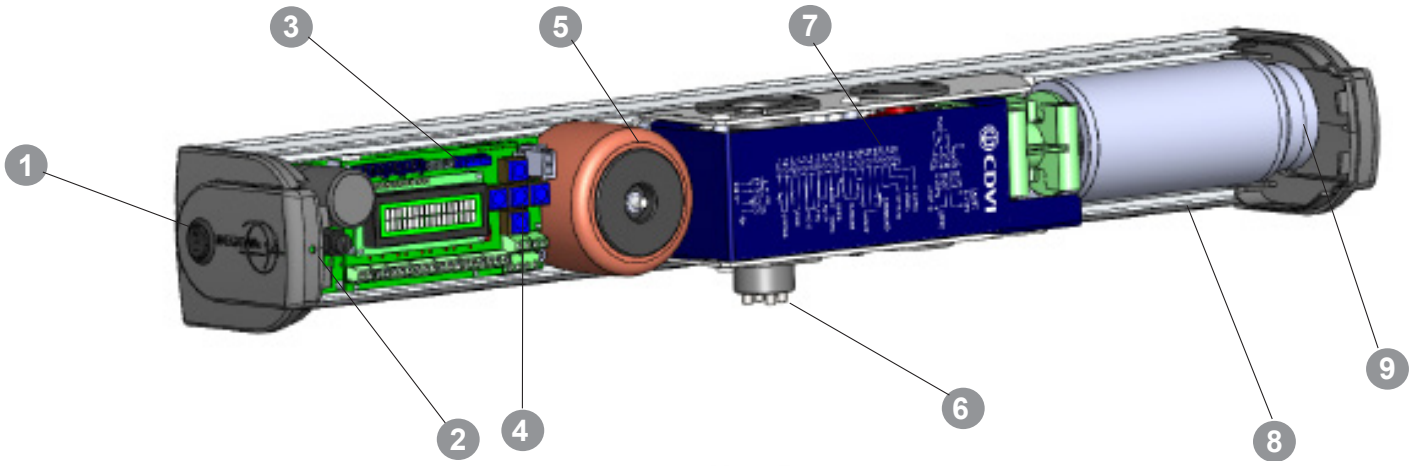
Digiway SR “DWSR10xBT” is a door automation system designed for indoor use but capable of controlling both interior and exterior doors. It features an integrated electronic control unit and radio receiver, allowing for manual or electromechanical opening and spring-driven closing with motor assistance or purely spring-driven closing.
The following versions are available:

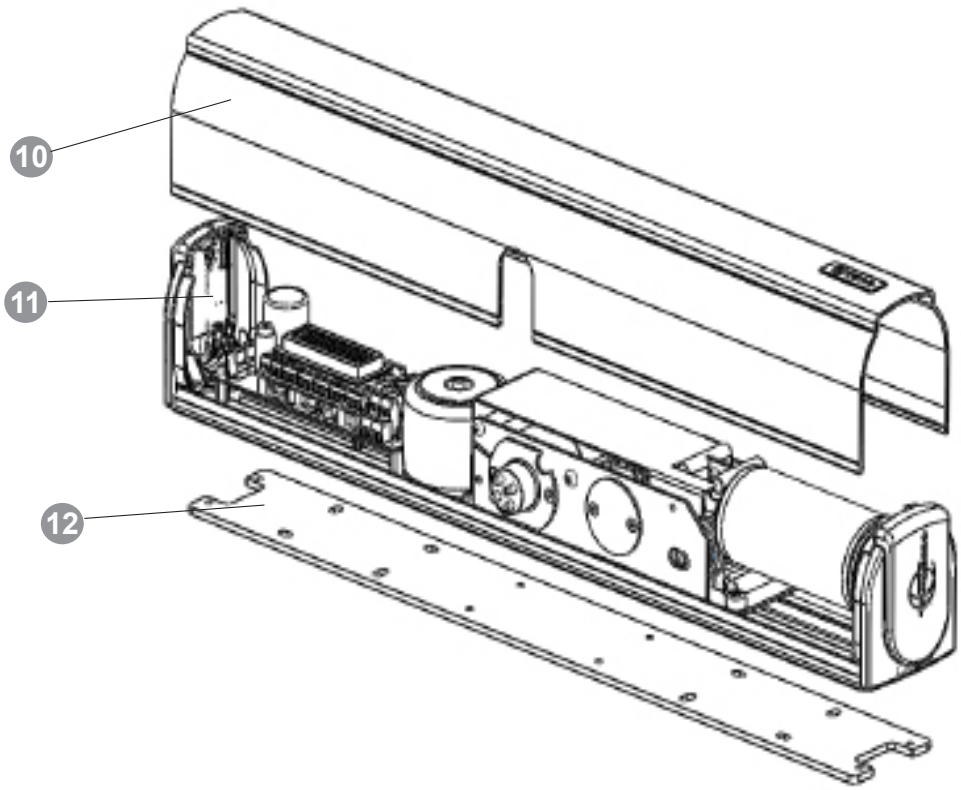
F-number	Reference	Description
F0543000228	DWSR102BT	Door automation Digiway SR (230Vac) with Bluetooth module
F0543000237	DWSR102BTT	Door automation Digiway SR (230Vac) with Bluetooth module, tropicalization
F0543000238	DWSR104BTT	Door automation Digiway SR (24Vdc) with Bluetooth module, tropicalization

This system is suitable for doors up to 1.5m wide or 200 kg (see page 7 diagram). It can open or close in 4 seconds (90°) at maximum speed, depending on door weight and size. See technical data on page 7.

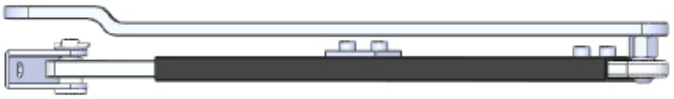
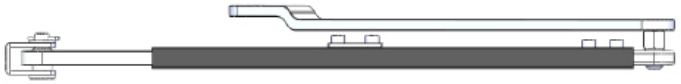
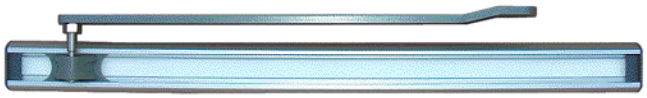
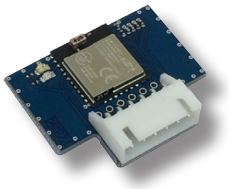
Explanation

1 - Operator
2 - Indicator lamp
3 - LCD display
4 - 5-button keypad
5 - Transformer (Only DWSR102)
6 - Motor shaft
7 - Return spring
8 - Opening slot for cover casing
9 - Motor shaft sensor
10 - Aluminum cover casing
11 - Radio receiver
12 - Mounting plate



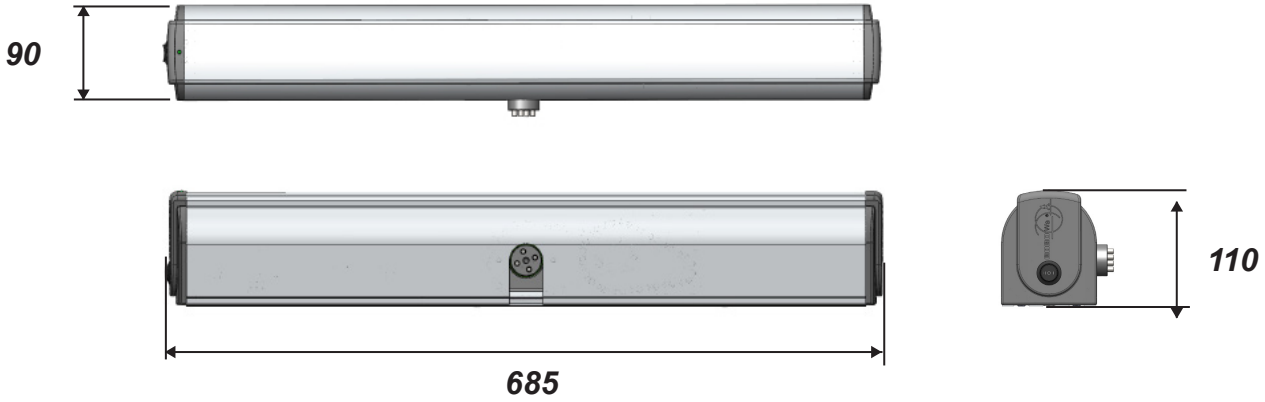


Accessories

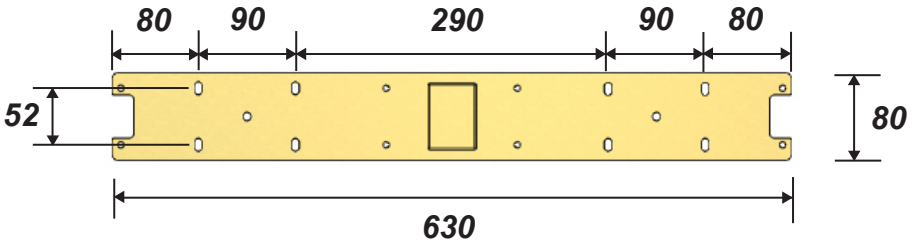
Description	Product-name	F-number	
Push arm, short extension	DWAA35	F0543000217	
Push arm, long extension	DWAA55	F0543000218	
Sliding arm	DWKBSF	F0543000031	
Synchronization cable for double door	DWPCS	F0543000124	
Cable to switch the side of the program selector	AS-CSR60		
Tool kit	DWTK	F0543000156	
Extension bolt: 30mm 55mm 80mm 120mm	 DWSE30 DWSE55 DWSE80 DWSE120	 F0543000123 F0543000033 F0543000136 F0543000222	
Bluetooth module*	DSRMBT	F0543000178	
External control panel	DWCP-B	F0543000213	

(*): Factory-mounted in the door automation system.

Dimensions and measurements



Mounting plate



Technical data

Product specifications DWSR102BTx

Mains voltage:	230Vac - 50Hz
Motor torque:	15Nm
Power consumption:	100W
Operating/Service class:	5 (heavy duty)
Dimensions:	685 x 90 x 110 mm
Weight:	10.5 Kg
Operating temperature:	-10°C / +55°C
Enclosure rating:	IP40
Opening / Closing time:	4 / 15 sec.
Hold time:	1 / 90 sec.
Power for external devices:	13.5Vdc - 500mA
Power for locking device:	12Vdc - 1A / 24Vdc - 0.5A
Relay output for lock:	(C-NO-NC) 10A / 12V
Door status relay:	(C-NO) - 24VA
Relay hold time:	Adjustable [0.1 / 5 min]
Transmitter security protocol:	Keeloq® Hopping Code
Max transmitters:	50 transmitters
Integrated radio receiver:	433.92 MHz ASK / -107 dBm

Product specifications DWSR104BTT

Mains voltage:	24Vdc - 100W / 18Vac - 100W
Motor torque:	15Nm
Power consumption:	100W
Operating/Service class:	5 (heavy duty)
Dimensions:	685 x 90 x 110 mm
Weight:	10.5 Kg
Operating temperature:	-10°C / +55°C
Enclosure rating:	IP40
Opening / Closing time:	4 / 15 sec.
Hold time:	1 / 90 sec.
Power for external devices:	13.5Vdc - 500mA
Power for locking device:	12Vdc - 1A / 24Vdc - 0.5A
Relay output for lock:	(C-NO-NC) 10A / 12V
Door status relay:	(C-NO) - 24VA
Relay hold time:	Adjustable [0.1 / 5 min]
Transmitter security protocol:	Keeloq® Hopping Code
Max transmitters:	50 transmitters
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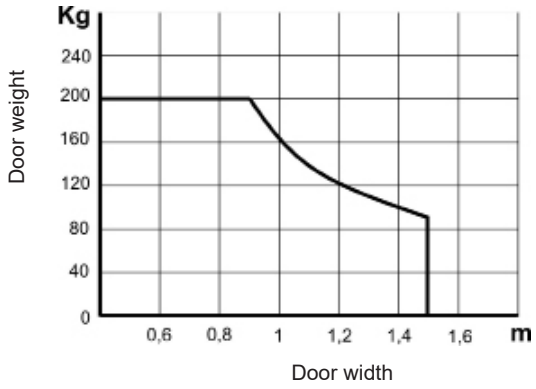
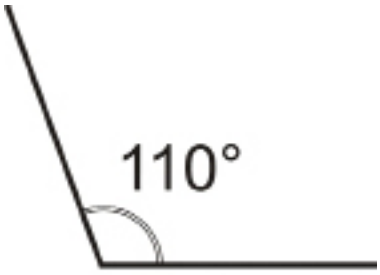
Application area





Max door opening angle

Connections

Input:
- Sensor in opening (C-NC)
- Sensor in closing (C-NC)
- Manual (C-NO)
- Opened (C-NO)
- External radar (C-NO)
- Internal radar (C-NO)
- Night mode (C-NO)
- Door opener contact (C-NO)
- Fire alarm input (C-NC)

Output:
- Lock output (C-NO-NC)
- Voltage / current 12Vdc / 1A or 24Vdc / 500mA
- Test for safety sensors
- Voltage / current for devices 13.5Vdc / 500mA

Standard functions

- Operating modes: Automatic, Semi-automatic, Manual, or Propped open
- Operation for single door, double door, inward or outward opening
- Setup guide for commissioning
- Programming via remote control or app
- Push & Go / Pull & Go function
- Adjustable hold time and speed
- Adjustable lock control and lock relief
- LED indicator status
- Adjustable modes for safety sensors
- Fire mode with disconnection of safety sensors and radar
- Night mode
- Door status indication
- Built-in counter
- Built-in service menu with indication
- Log function for obstacle detections

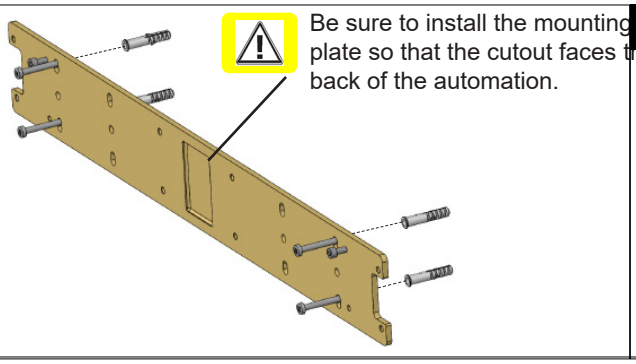
Installation

First and foremost, check the stability/construction of the door, ensure the door opens and closes in a smooth motion, and verify that no abnormal friction occurs. If this is not the case, make all necessary improvements to the door environment to ensure proper installation/functionality.
- Remove all manual locking devices (e.g., locking mechanisms that require pressing the handle to open the door).
- Remove all closing devices (e.g., door closers and automatic door closers).
- Ensure there is a proper doorstop to prevent the door from being blown open.

Install the automation

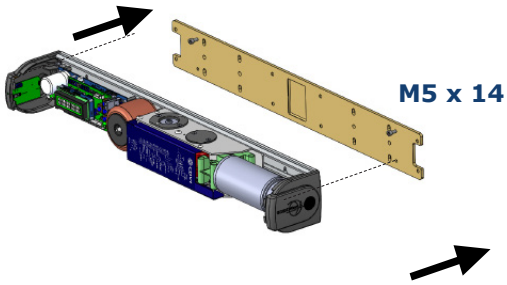
The automation must be installed using the mounting plate provided.

1



Be sure to install the mounting plate so that the cutout faces the back of the automation.

2



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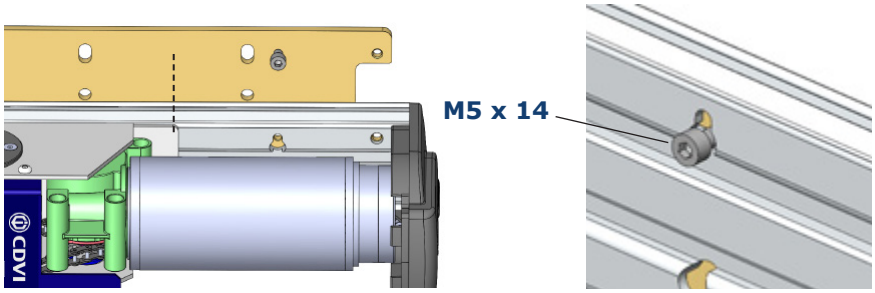

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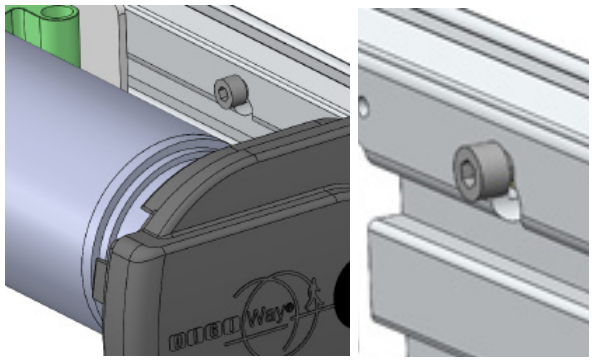

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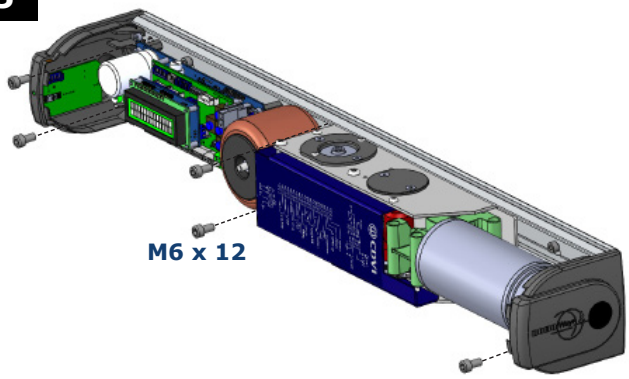
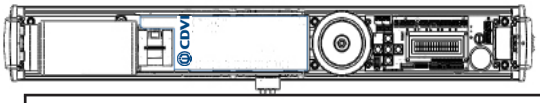
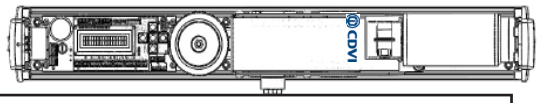


THERE ARE DIFFERENT WAYS TO INSTALL THE AUTOMATION. REVIEW THE IMAGES BEFORE STARTING THE INSTALLATION



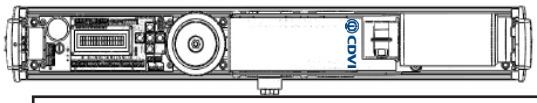
Hinges on the LEFT - Inward-opening door with sliding arm

FIG. A



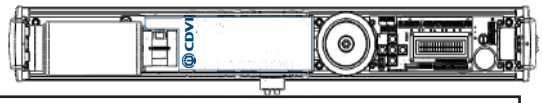
Hinges on the RIGHT - Inward-opening door with

FIG. B



Hinges on the LEFT - Outward-opening door with push arm

FIG. C



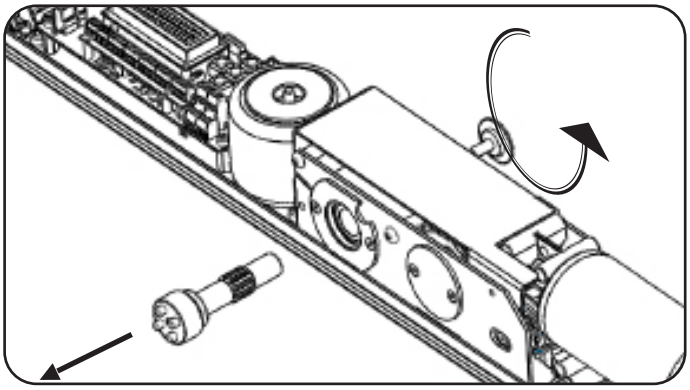
Hinges on the RIGHT - Outward-opening door with push arm

FIG. D

Rotate the motor spindle

The return spring is always tightened in the same direction (see the arrow next to the motor spindle). Therefore, the automation must be installed according to the instructions above, which may require installing the automation upside down.

1



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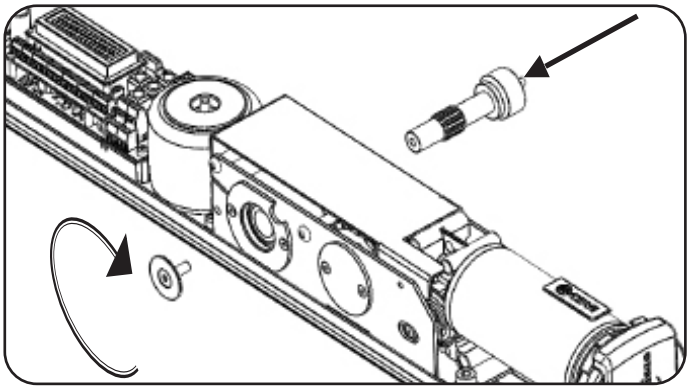
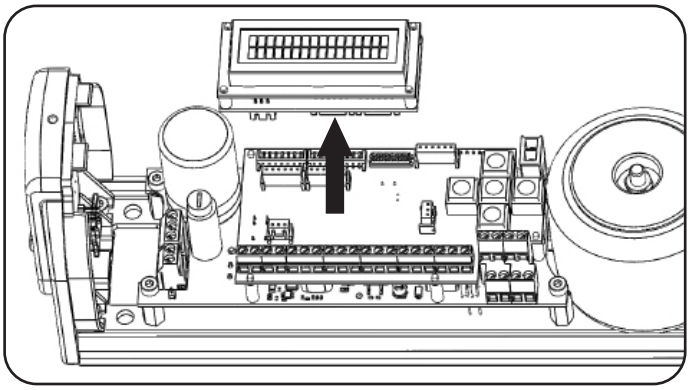
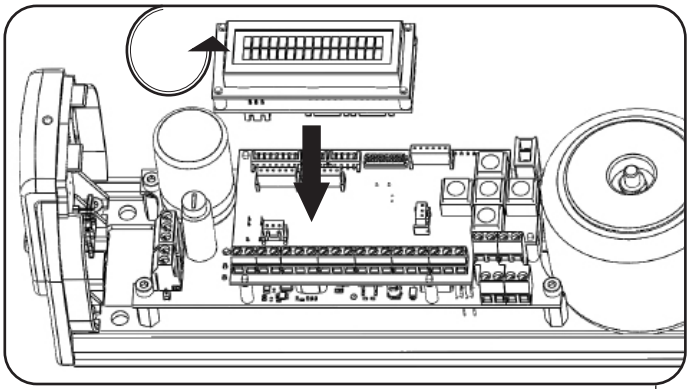


Rotate the LCD display

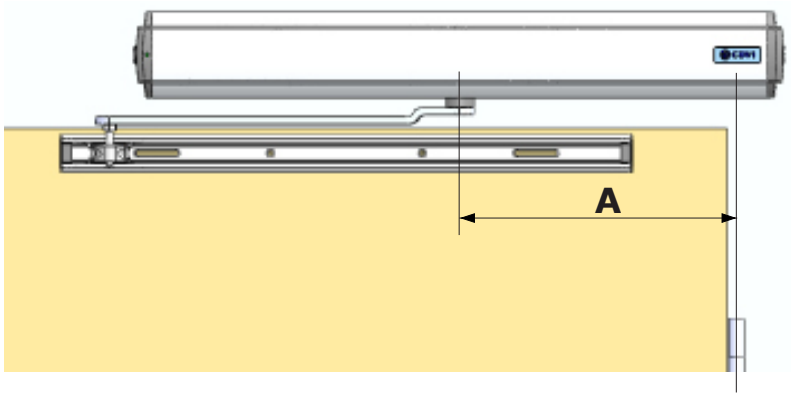
If the automation is to be installed upside down, you must rotate the display. Follow these instructions to rotate the display:

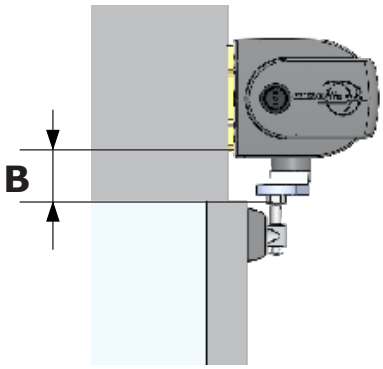
1. Turn off the power to the automation.
2. Gently detach the display from the automation.
3. Rotate the display and carefully reattach it.
4. Turn on the power to the automation.





Inward-opening doors with sliding arm





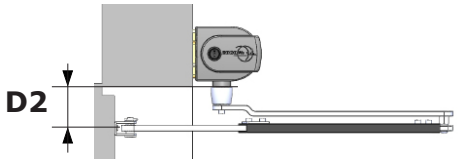
Dimensions	Value (mm)	Description
A	280	Hinge - Motor spindle
B	30	Mounting plate - Door leaf

Important: *The door and automation must be aligned as shown in the image above.*

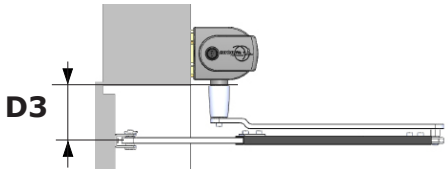
Outward-opening doors with push arm

Choose between Installation **Type I** or installation **Type II** before starting the installation.
We recommend **Installation Type II** if possible.

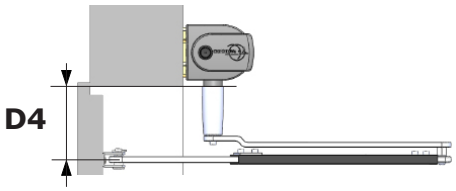
Extension bolt **DWSE30**



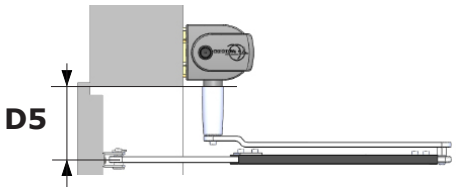
Extension bolt **DWSE55**



Extension bolt **DWSE80**

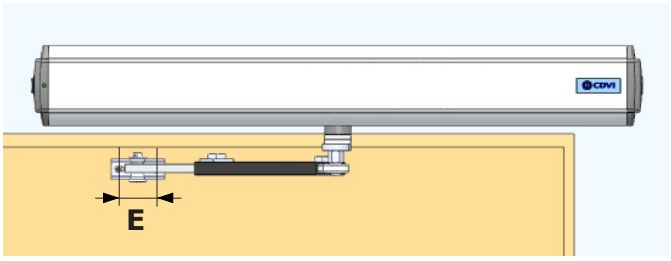


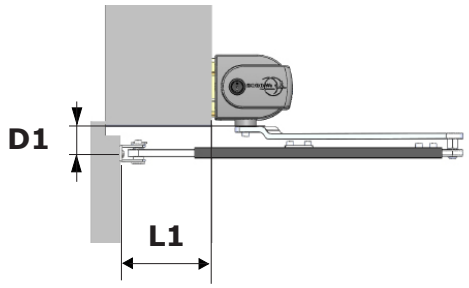
Extension bolt **DWSE120**

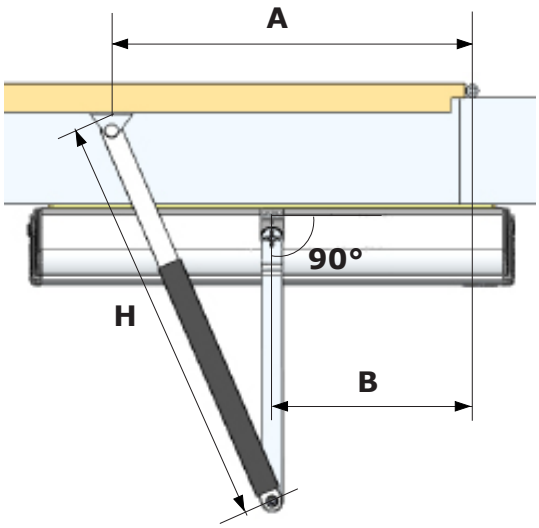


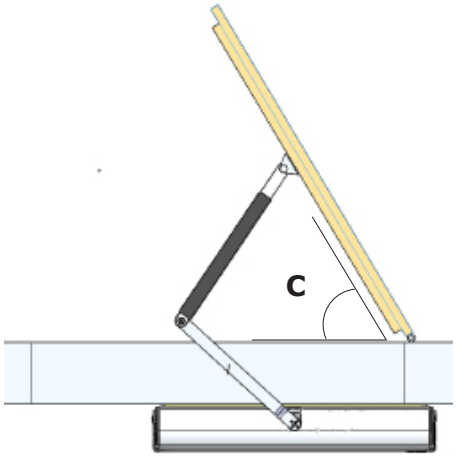
	Description	Value
E	Hole pattern, door leaf attachment	40 mm
A	Hinge - Door leaf attachment	Refer to the table.
L1	Recess depth	Refer to the table.
B	Hinge - Motor spindle	Refer to the table.
H	Adjustable arm length	Refer to the table.
C	Maximum opening angle	Refer to the table.
D1	Distance motor spindle - door leaf attachment (without extender)	38,5 mm
D2	Distance motor spindle - door leaf attachment (with extender DWSE30)	68,5 mm
D3	Distance motor spindle - door leaf attachment (with extender DWSE55)	93,5 mm
D4	Distance motor spindle - door leaf attachment (with extender DWSE80)	118,5 mm

Installation Type I:
For most doors, Installation Type I provides good installation options considering the recess depth.



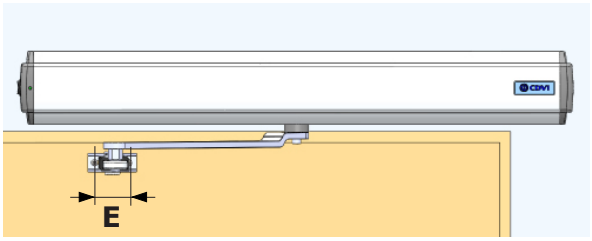


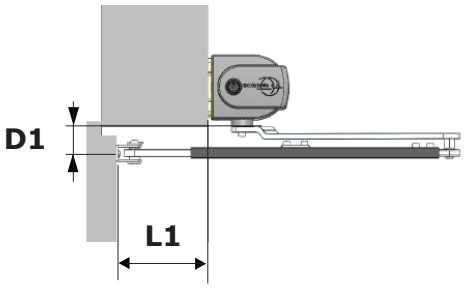


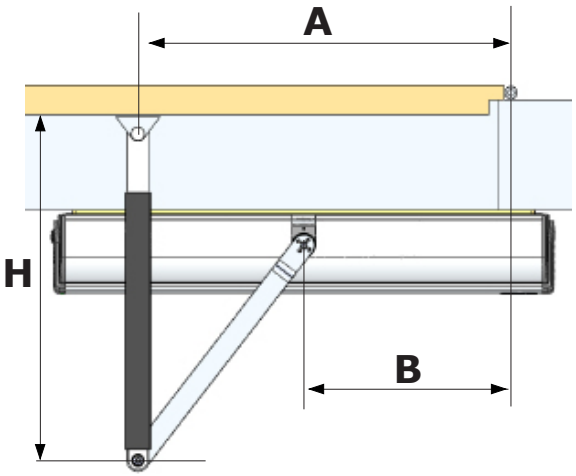


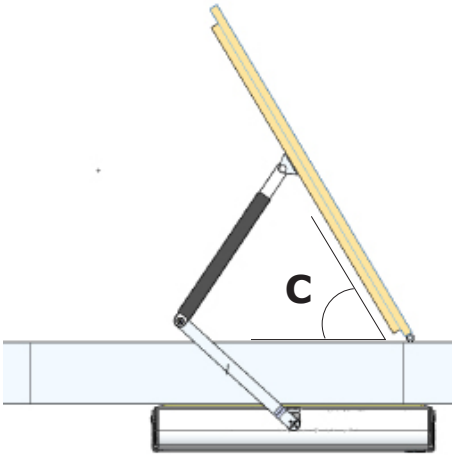
B = 330 mm				
Recess depth	Hinge - Door leaf attachment	Adjustable arm length	Maximum opening angle	Arm system
L1	**A**	**H**	**C**	**Page 5**
0	500	430	110	DWAA35
30	500	450	110	
60	500	480	113	
90	500	480	113	
120	540	525	107	
150	540	575	107	DWAA55
180	500	590	115	
210	500	570	n/a	
240	540	600	n/a	
270	500	600	n/a	
300	460	600	n/a	

Installation type II:
Installation Type II is suitable for doors with a recess depth of more than 60mm and when the door requires a stronger closing force or higher opening force, particularly at the start of the opening, e.g., when equipped with an electric strike plate or sealing strips.



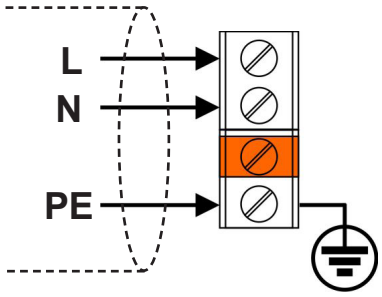


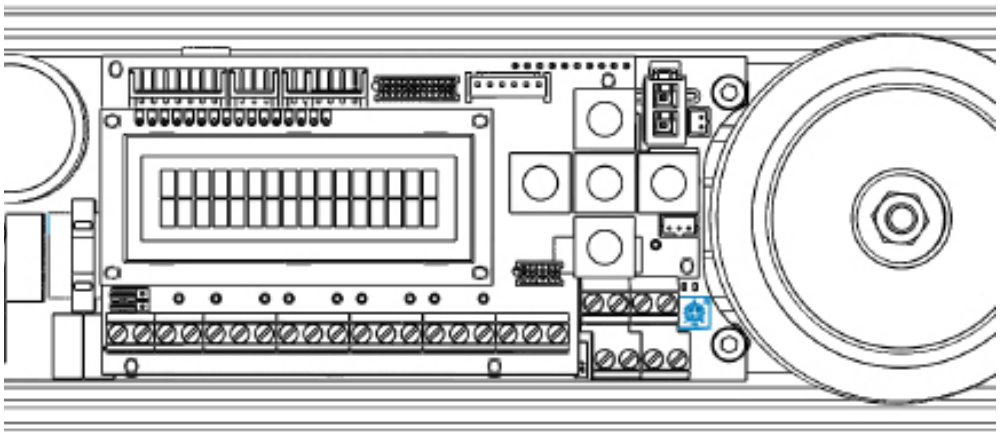




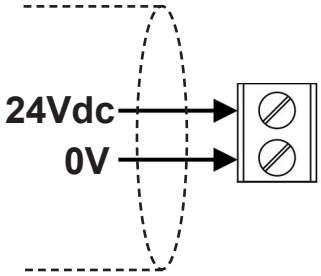
B = 330 mm				
Recess depth	Hinge - Door leaf attachment	Adjustable arm length	Maximum opening angle	Arm system
L1	**A**	**H**	**C**	**Page 5**
60	460	420	105	DWAA35
90	460	420	105	
120	500	430	95	
150	500	495	95	
180	500	520	95	
210	500	550	95	
240	500	580	95	DWAA55
270	500	610	n/a	
300	500	640	n/a	

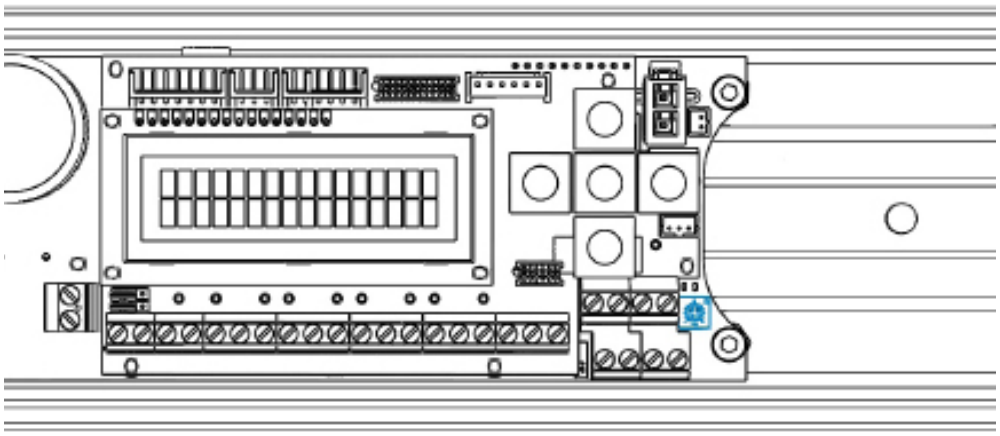
Wiring diagram DWSR102 - 230Vac





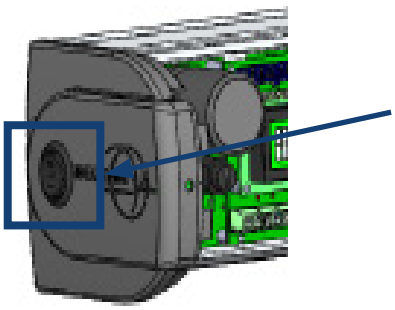
Wiring diagram DWSR104 - 18Vac or 24Vdc

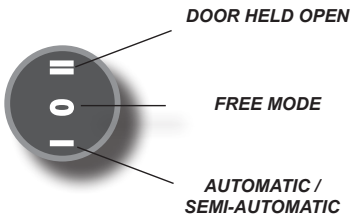


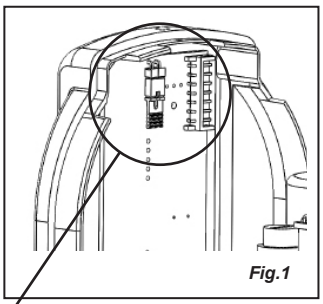


Commissioner

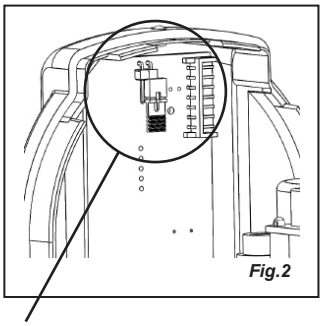
If you want to disconnect the commissioner, remove the jumper inside the plastic cover. For the automation to function, you must use an external control connected to terminals 8-9-10 or short circuit between terminals 8-9 to keep the automation in permanent operation. This is a useful solution in environments where there is a risk of sabotage against the automation.





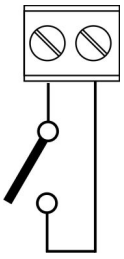


JUMPER ON: COMMISSIONER



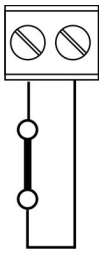
JUMPER OFF: COMMISSIONER

1 2



Status relay C-NO		
Relay	Off	On
Service	OK	Time for service
Door status	Closed	Opening / Closing

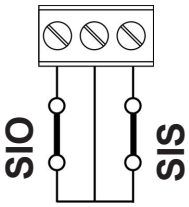
3 4



Fire alarm (*)	
3	C contact fire alarm
4	NC contact fire alarm

(*) Activate the fire alarm function in the configuration menu

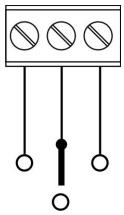
5 6 7



Safety sensors (*)	
5	NC Sensor in Opening (FTC)
6	C Sensors
7	NC Sensor in Closing (FTC/S)

(*) Terminals 5-6 and 6-7 must be jumpered if they are not used.

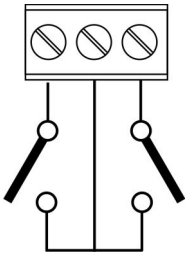
8 9 10



External commissioner (*)		
8	Input NO Position I	(Automatic)
9	Input C Position 0	(Free Mode)
10	Input NO Position II	(Propped Open)

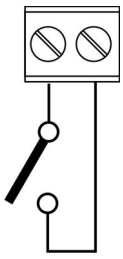
(*) See the bottom of page 13

11 12 13



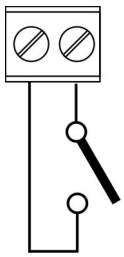
Radar	
11	Input NO External Radar (Inactive in night mode)
12	Input C Radar
13	Input NO Internal Radar

14 15



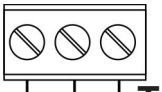
Night mode	
14	Input NO Night Mode
15	Input C

15 16



Opening command	
15	Input C
16	Input NO

T1 C T2

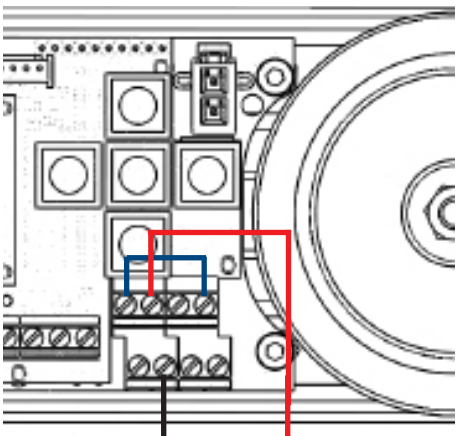


Test FTC

C (GND)

Test FTC/S

Test photocell	
T1	Output (+12) Test FTC
C	C (GND) Test Sensors
T2	Output (+12) Test FTC/S

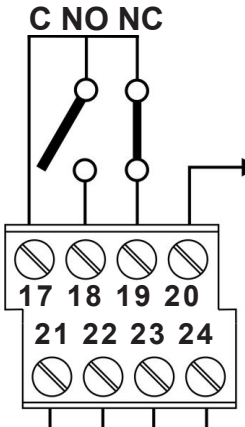


Electric strike plate 24V

+

-

C NO NC



+24 V

Voltage to lock

17 18 19 20

21 22 23 24

0

+12 V

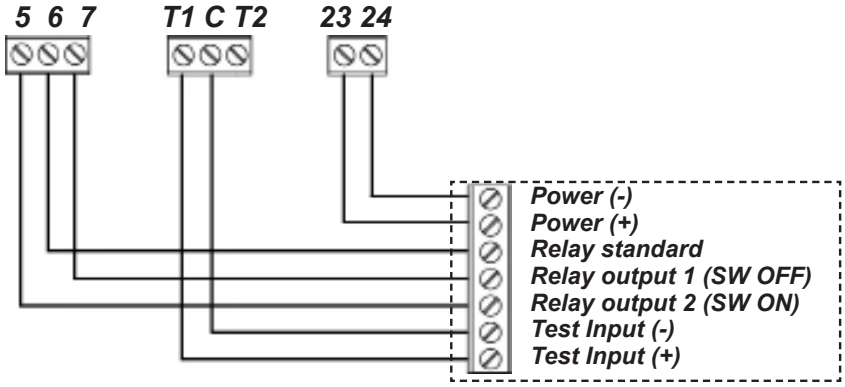
Voltage for radar and sensor

+12 V 0

Voltage to lock

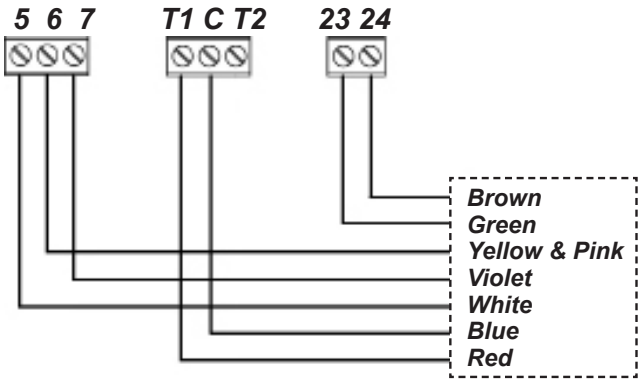
Wiring diagram for safety sensors

Hotron SSS-5 (with communication cable)



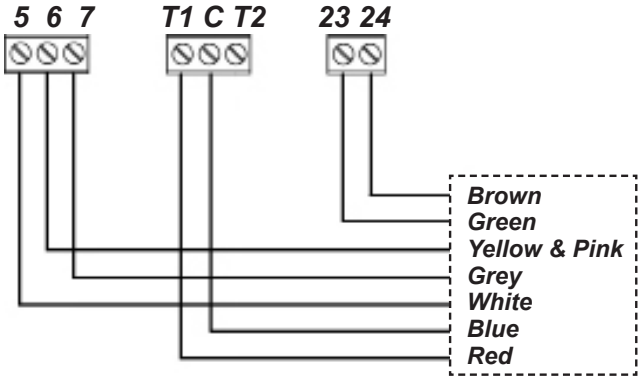
Advanced settings:
Test FTC - Activated
Test FTC/S - Activated
FTC/FTC/S Test time - 020ms
Testsign. sensor - Active HIGH (Non-standard value)

BEA 4Safe



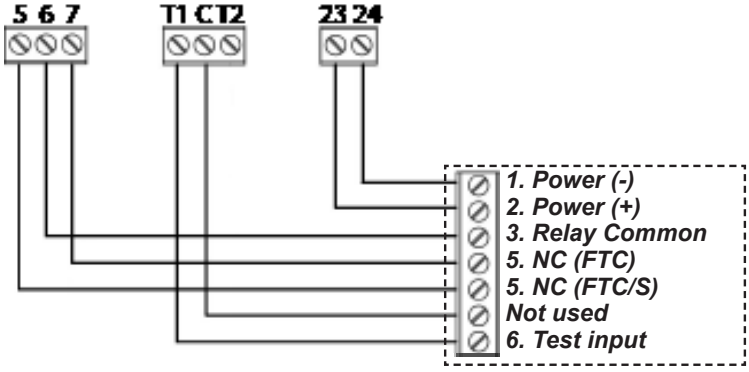
Advanced settings:
Test FTC - Activated
Test FTC/S - Activated
FTC/FTC/S Test time - 005ms
Testsign. sensor - Active LOW

BEA LZR - Flatscan GO, SW and LZR - Flatscan 3D SW



Advanced settings:
Test FTC - Activated
Test FTC/S - Activated
FTC/FTC/S Test time - 005ms
Testsign. sensor - Active LOW

Bircher UniScan



Advanced settings:
Test FTC - Activated
Test FTC/S - Activated
FTC/FTC/S Test time - 050ms (Non-standard value)
Testsign. sensor - Active HIGH (Non-standard value)

Operating status of the LEDs

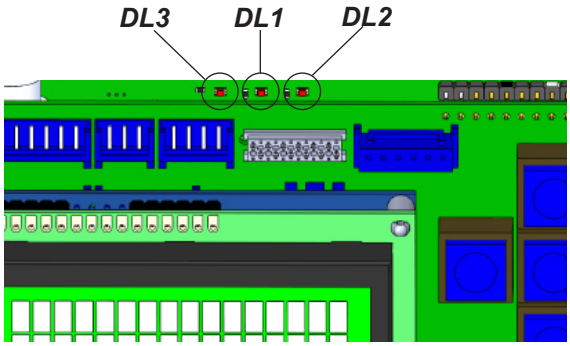
	LED ON	LED OFF
L1	Fire alarm normal mode	Fire alarm activated
L2	NC contact stop photocells closed	NC contact stop photocells open
L3	NC contact reopen photocells closed	NC contact reopen photocells open
L4	Automatic mode	-
L5	Propped open mode	-
L6	External radar active	-
L7	Internal radar active	-
L8	Night mode	Day mode
L9	Open / Close command active	-

LED message

Function	LED GREEN		LED ORANGE		LED RED		
	ON	Flashing	ON	Flashing	ON	Flashing	Quick Flashing
Everything OK	O						
Fire Alarm				O (Fast)			
Night Mode			O				
Manual (Free Door)	-	-	-	-	-	-	-
Current calculation in progress		O					
Self-calibration						red/green	
Safety photocells malfunction							O
Propped open (door open)				O (Slow)			
Time for service						O (Slow)	

Alarm

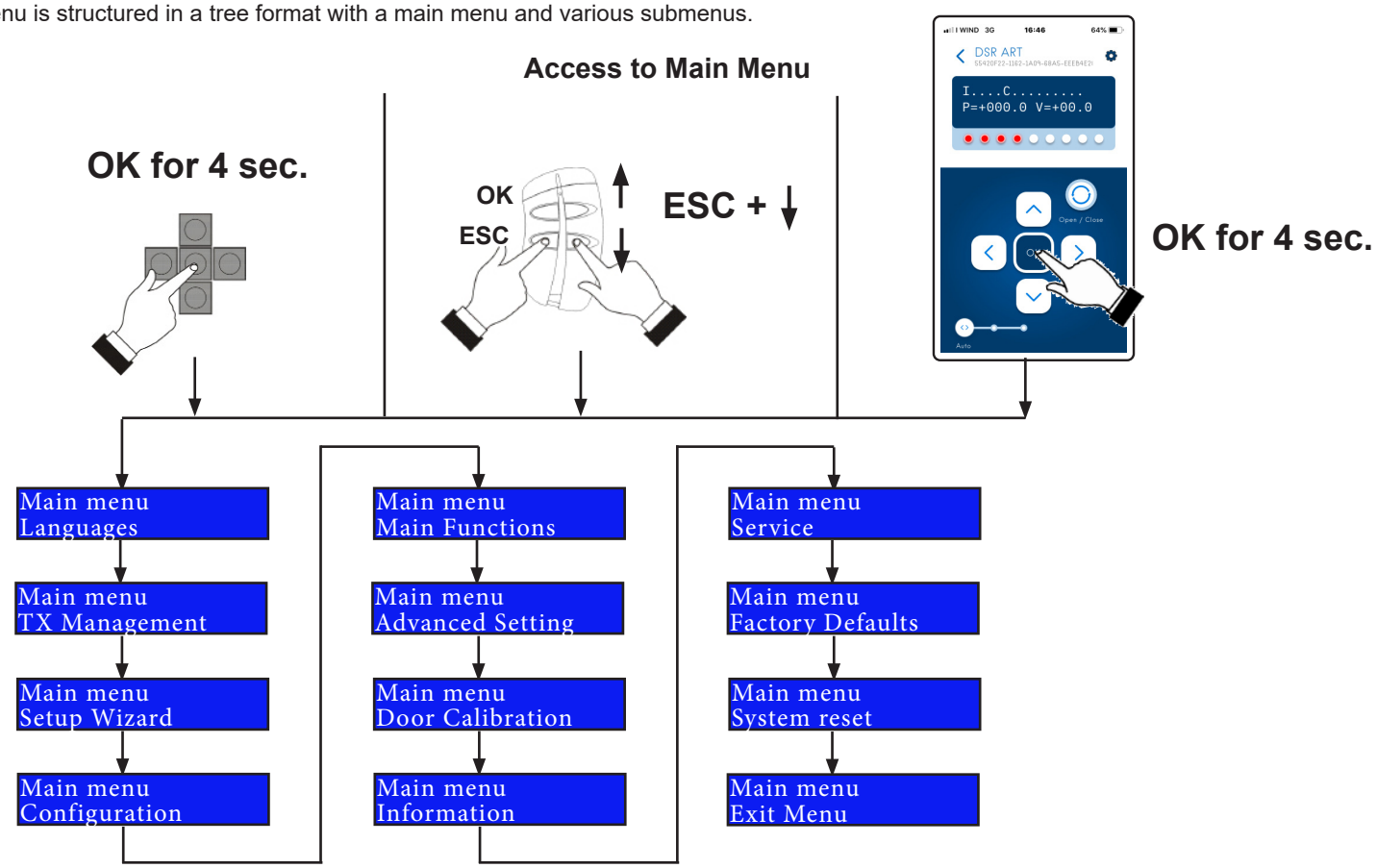
On the circuit board, there are three alarm LEDs indicating three different door deviations that will put it into manual mode.



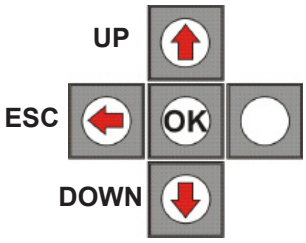
LED	Description
DL1	Abnormal current consumption > 9A for 2 seconds
DL2	Short circuit
DL3	The circuit board has overheated (>65°C). When the temperature drops below 47°C, the system will automatically reset itself.

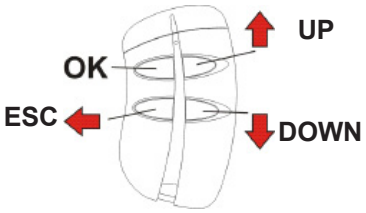
Get started

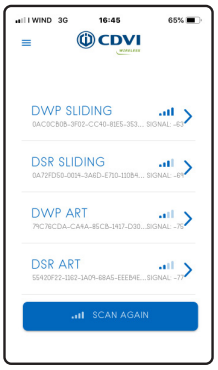
Digiway-SR is equipped with an LCD display and a 5-button keypad. Operational configuration can be set through multiple menus. The menu is structured in a tree format with a main menu and various submenus.



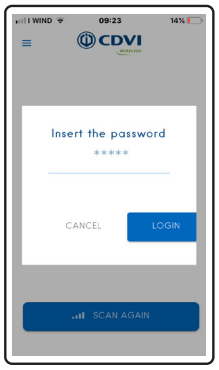
Configuration guide







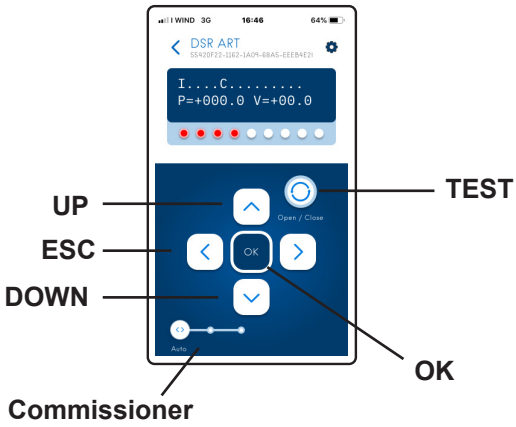
The app displays the automations within Bluetooth range.



Standard **PIN-code 00000**

Follow the 7-step guide to commission the automation.
After STEP 1: START-UP GUIDE, you can proceed directly to STEP 5: CONFIGURATION.

- **STEP 1 : INTRODUCTION**
- **STEP 1 : START-UP GUIDE**
- **STEP 2 : TIGHTEN THE SPRING**
- **STEP 3 : SELECT ARM SYSTEM**
- **STEP 4 : DOOR CALIBRATION**
- **STEP 5 : CONFIGURATION**
- **STEP 6 : MAIN FUNCTION**
- **STEP 7 : ADVANCED SETTINGS**



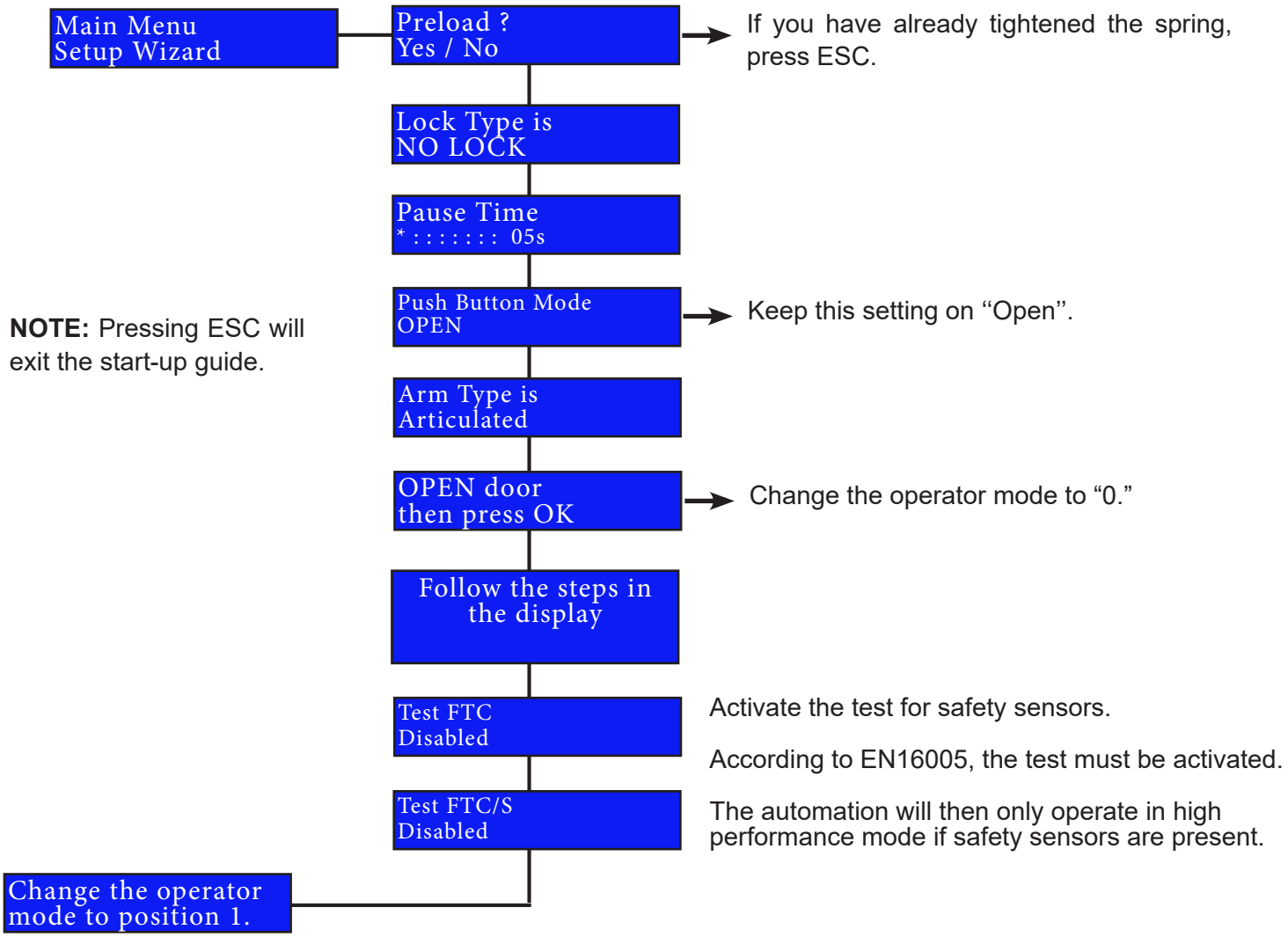
STEP 1 : INTRODUCTION

1. Press **OK** on the keypad for **4 seconds.** The display will show: Main menu: Language.
2. Press **OK**, It now says Language: English. Press the **DOWN** button and select the desired language.
3. Press **OK** to confirm: the screen will display OK, and then messages will appear in the selected language.
4. Exit the menu using the **ESC** button.
5. Scroll down one step in the main menu to the **Transmitter menu** and press **OK**.
6. Select the option **Add Master** and press **OK.**
7. Press the **A** (upper-left button): the screen displays the corresponding S/N, confirming the memorization;
8. Exit the **Add Master menu** using the **ESC** button on the keypad;
9. Exit the main menu by selecting **Exit**.

The remote control is now activated to access the main menu. Press buttons (C + D) simultaneously to enter the main menu.

STEP 1 : START-UP GUIDE

The start-up guide is a tool that takes you through the entire commissioning process. After completing the start-up guide, you can proceed directly to **STEP 5: CONFIGURATION.**



NOTE: Pressing ESC will exit the start-up guide.

Adjust the opening angle

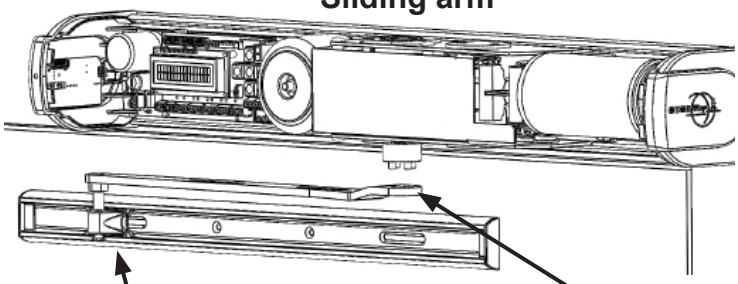
If the automation does not open as far as desired or opens further than desired after auto-calibration, you can adjust the opening angle without needing to perform a new auto-calibration.

STEG 2 : TIGHTEN THE SPRING

This automation is equipped with a spring that can be tightened using the display.
For safety reasons, the automation is delivered without any pre-tensioned spring.
Tighten the spring before commissioning the automation.

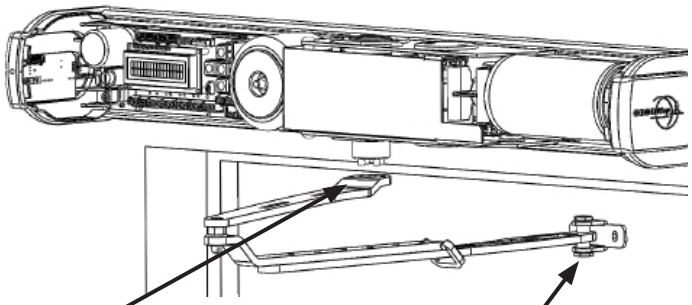
1. The automation needs to have the power connected when tightening the spring.
Attach the arm to the door leaf, whether you are using a sliding arm or a pivot arm, but do not connect the arm to the motor spindle yet.

Sliding arm



Screw the sliding track into place and insert the sliding

Push arm



Do **not** fasten the arm to the motor spindle.

Fasten the arm to the door leaf.

2. Set the operator mode on the side to position 0, “Free Mode,” and close the door.

3. Main Menu
Dorr Calibration
→ Dorr Calibration
Spring Preload
→ Reset Preload value ?

You will be asked if you want to reset the previously tensioned digital value.

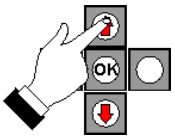
OK → POS=+000.0

If the spring is not tensioned, press OK.
The value will then reset to +000.0.

ESC → POS=+242.4

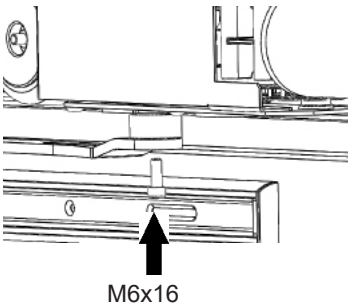
Press ESC if you want to increase or decrease the spring tension; this will retain the existing value.

4. Press the UP or DOWN button to increase or decrease the value.
The motor spindle will rotate as you tighten the spring.



5. Tighten the spring so that the motor spindle fits into the holes on the arm when the door is closed. Then, fasten the included M6x16 bolt to secure the arm.

Min. value	Example	Max. Value
POS=+180.0	POS=+360.0	POS=+450.0
Recommended for: *- Interior doors*	*Recommended for:* *- Exterior doors* *- Fire doors* *- Doors with overpressure/ underpressure*	



M6x16

6. Exit the menu and feel the door to ensure it closes as it should. If the springs are not tensioned enough, repeat the previous procedure..

NOTE: To avoid the spring unwinding if you need to adjust the arm, go into the submenu “Spring Tension,” and press ESC when asked if you want to reset the value. You can now remove the M6x16 bolt. As long as you stay in that menu, the spring will remain in the desired position.

WARNING: If the automation is removed from the door or if you release the arm from the motor spindle, the spring will unwind.

STEP 3 : CHOOSE ARM TYPE

Main Menu
Door Calibration

Door Calibration
Arm Type

Arm Type
Sliding arm

Armsystem
Push arm (*)

(*) Standard

STEG 4 : DOOR CALIBRATION [Single door]

NOTE: No external locking devices should be connected during calibration.

1 Set the operator mode to position '0'.
'0' = MANUAL.

2 Select door calibration from the main menu and press OK.

Main Menu
Door Calibration

3 Välj dörr gränser i undermenyn dörrkalibrering och tryck på OK.
Följ anvisningarna i displayen, tänk på att öppna dörren så långt som du vill att dörren sedan skall öppna.

Door Calibration
Door Limits

Continue steps below

Dörrgränser

NOTERA: Om du behöver ändra gränserna senare kan du göra det genom att justera öppningsvinkel.

4 Select auto calibration in the submenu under door calibration and press OK.

Door Calibration
Auto Calibration

Proceed with
Autocalibration?

5 Press OK, and remember not to touch the door during auto calibration. The door will open and close 5 times.

Please wait....
Tm=xx.x V=xx.x

Tm=xx.x V=xx.x
Save?

Autokalibrering

VARNING: Rör inte dörren under autokalibreringen.

6 Press OK. The auto calibration is now complete.

Test sensors
Disabled

7 Would you like to activate or disable the test for the safety sensors?
- Disabled - The automation will always operate in high performance mode.
- Enabled - The automation will operate in high performance mode if the sensor lists are connected.
Now exit the menu, set the operator mode to position 1, and perform a complete cycle.

....C.....iI.....
P=000,0 V=00,0

Adjust the opening angle

If the automation does not open as far as desired or opens further than desired after auto-calibration, you can adjust the opening angle without needing to perform a new auto-calibration.

Door Calibration
OPEN POS

OPEN POS
||||||||||||||||.....155

STEP 5 : CONFIGURATION

In step 5, it is possible to set all the basic parameters for the door automation, depending on the type of door.
The default value is displayed on the screen.

1)	Configuration Num. Doors	Numbers of Doors One Door	Specify whether it is one or two doors.
2)	Configuration Electrolock	Electrolock NO LOCK	Specify which type of lock is used.
3)	Configuration Opening Jolt	Opening Jolt is DISABLE	Set whether the automation should press the door against the frame before opening. This may be necessary if, for example, you have an electric strike that cannot handle pressure from the seal.
4)	Configuration Push & Open	Push & Open DISABLE	Activates the door automation with a press on the door leaf.
5)	Configuration Push & Close	Push & Close ENABLE	Close the door when it is open with a press on the door leaf.
6)	Configuration Wind Stop	Wind Stop is DISABLE	The holding force keeps the door closed, for example, in case of overpressure in the building. This function cannot be combined with manual operation of the door.
7)	Configuration Auto Reclosing	Auto Reclose is ENABLE	If this function is activated, the automation will close after the holding time. Otherwise, the automation will wait for a new impulse before closing the door.
8)	Konfiguration Radar 'I' MODE	Radar Int Disab NEVER	Set whether the automation should ignore the opening signal from the internal radar at any point during the opening or closing phase. This prevents the door from reopening if, for example, the radar detects the arm of the automation during the closing phase.
9)	Configuration Radar 'E' MODE	Radar Ext Disab NEVER	Set whether the automation should ignore the opening signal from the external radar at any point during the opening or closing phase. This prevents the door from reopening if, for example, the radar detects the door during the closing phase.
10)	Configuration Disabled Mode	Disabled Mode is DISABLE	Set regular and extended holding times: regular for Push & Open, radar, or remote, and extended for the elbow switch. If **Test FTC** and **Test FTC/S** are deactivated, the machine will switch to Low Energy mode when opened with the elbow switch.
11)	Configuration Open Command	Push Button Mode OPEN	Specify what the automation should do when it receives an opening impulse.
12)	Configuration 2 Doors Overlap	Doors Overlap is ENABLE	Specify if the double door has rebated door leaves.
13)	Configuration Door Type	Door Type is MASTER	Specify if the door is the master or slave in a double door installation.
14)	Configuration Fire Signal	Fire Signal is DISABLE	When this setting is activated, the automation functions as usual as long as inputs 3-4 are closed. If the input is broken, you can specify what the automation should do in the setting **In case of fire alarm** and **Sensor in case of fire**, see the section "Advanced Settings.

STEG 6 : MAIN FUNCTIONS

In step 6, it is possible to set the operating mode of the automation, as well as the opening and closing speeds, the holding time of the door automation, and how sensitive the automation should be to obstacle detection.
The default value is displayed on the screen

1) Main Functions / Mode — Mode / Semiautomatic

Set the mode in which you want to operate the automation:
- **Automatic mode** = The door opens with the motor and closes with the motor + spring force. The Push & Open function is active in automatic mode.
- **Semi-automatic mode (Recommended)** = The door opens with the motor and closes only with the spring. Motorized activation is still possible. This mode is suitable when manual handling of the door is used.

2) Main Functions / P1 — P1 / ******** : 98%

Set in which position you want the opening speed (V2) to be activated.

3) Main Functions / P2 — P2 / * : : : : : : : 15%

Set in which position you want the closing speed (**V4**) to be activated.
This applies in both **Automatic** and **Semi-automatic** modes.

4) Main Functions / V1 — V1 / *** : : : : : 38

Set the **initial** opening speed (**V1**)

5) Main Functions / V2 — V2 / : : : : : : : : 10

Set the **second** opening speed (**V2**)

6) Main Functions / V3 [Auto] — V3 [Auto] / *** : : : : : 30

Set the **first** closing speed (**V3**) in **automatic** mode.

7) Main Functions / V4 [Auto] — V4 [Auto] / ** : : : : : : 13

Set the **second** closing speed (**V4**) in **automatic** mode.

8) Main Functions / V3 [Semi] — V3 [Semi] / ** : : : : : : 20

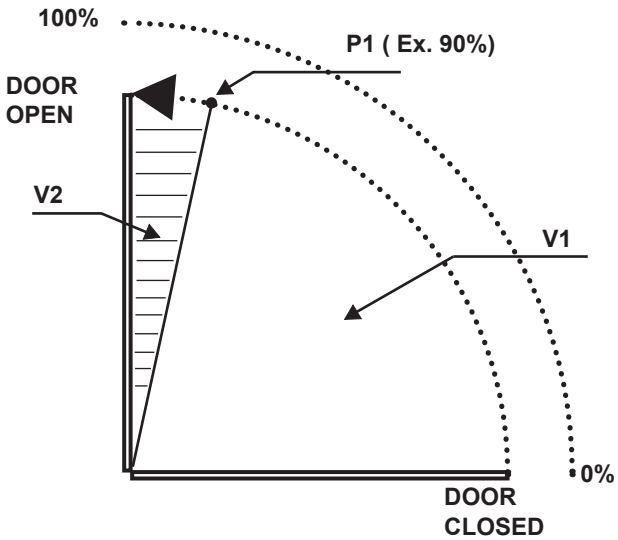
Set the **first** closing speed (**V3**) in **semi-automatic** mode.

9) Main Functions / V4 [Semi] — V4 [Semi] / ** : : : : : : 20

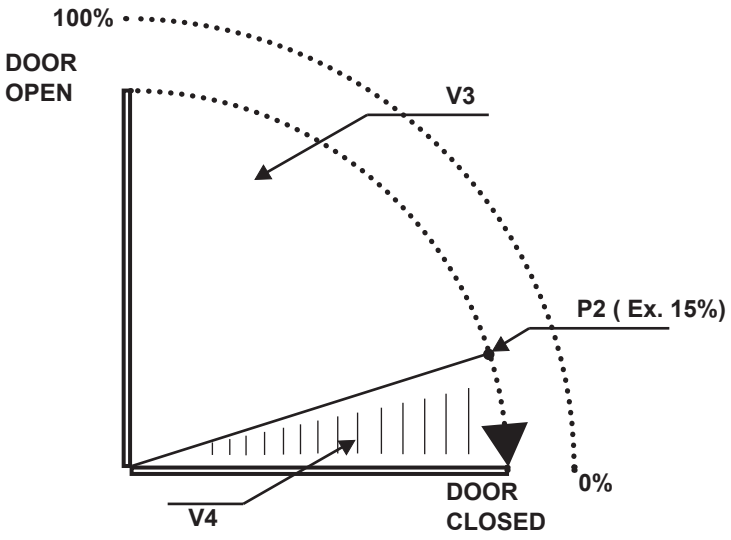
Set the **second** closing speed (**V4**) in **semi-automatic** mode.

See the explanation at the bottom of the page.
The parameters are calculated during auto

Opening cycle



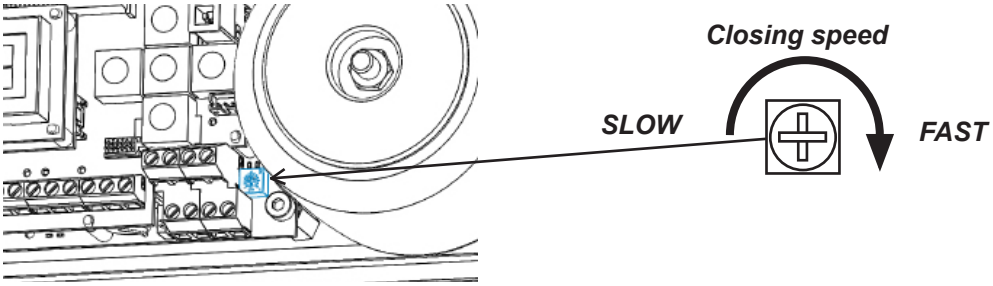
Closing cycle



Parameter	Results
V4 same as V3	Same speed
V4 higher than V3	“Activation”
V4 lower than V3	Deceleration

Closing speed in POWER-OFF MODE

When the automation is in power-off mode, the closing speed is determined by how much the spring has been tensioned. It is possible to adjust the speed using a potentiometer, even though the power is disconnected.



10) Main Functions / Pause Time — Pause Time / * : : : : : : : 05s

Set how long you want the door to remain open before it closes again.

11) Main Functions / Pause Time Ext — Pause Time Ext / ** : : : : : : 20s

Set how long you want the door to remain open before it closes again. This only applies if the setting “Use extended holding time” is activated, see the section

12) Main Functions / OD Reactivity — OD Reactivity / : : : : : : : : 0.5s

Set the reaction time for obstacle detection, which is the time from when the automation detects an obstacle until it stops. This applies to obstacle types B1 and

13) Main Functions / OD Delta Vel — OD: Speed drop% / ***** : : : : 50%

Set the tolerance for obstacle type **B1**. When an obstacle is detected, the speed decreases. If the speed decreases by more than, for example, 50% for longer than the “OD: Reaction time” (e.g., 0.5s), obstacle type **B1** will be displayed on the LCD screen.

14) Main Functions / OD: Curr. change — OD: Curr. change / ****** : : : 65%

Set the tolerance for obstacle type **B2**. When an obstacle is detected, the power consumption increases. If the power consumption increases by more than, for example, 65% for longer than the “OD: Reaction time” (e.g., 0.5s), obstacle type **B2** will be displayed on the LCD screen.

OBSTACLE

Obstacle	Description
B1	Obstacle detection: The speed decreases by more than 50% from the reference value for more than 0.5 seconds (OD: Reaction time).
B2	Obstacle detection: The power consumption increases by more than 65% from the reference value for more than 0.5 seconds (OD: Reaction time).
B3	B1 and B2 combined
B4	Possible obstacle that prevents the door from moving for at least 1% of the total cycle for more than 1.5 seconds.
B5	Possible obstacle that causes a peak in power consumption, with power consumption exceeding 2.4A for 400ms.
B6	Possible obstacle in the last 10° of closing or after 80° of opening caused by: 1) A peak in power consumption exceeding 97% of the maximum value. 2) The speed remains below 20°/minute. This may occur if the calibration values are missing (I and I are not displayed on the LCD).

STEG 7 : ADVANCED SETTINGS

Digiway SR is equipped with many adjustable settings to suit different types of installations.
In the main menu, select the submenu **Advanced Settings** for more adjustment options.
The default value is displayed on the screen

1) Advanced Setting Electrolock Time — Electrolock Time : : : : : : : : 1.5s

Activate the **Electric Lock function**, see the section “Configuration.”
Adjust the unlocking time in seconds for the relay output.

2) Advanced Setting OpeningJolt Time — OpeningJolt Time : : : : : : : : 0.5s

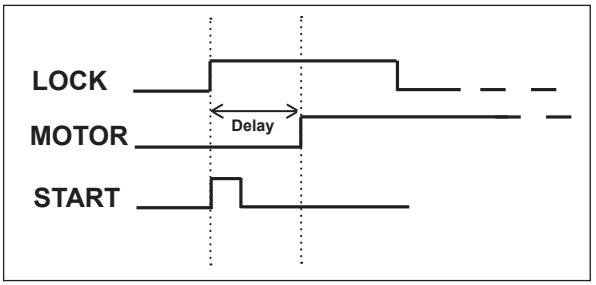
Activate the **Lock Release function**, see the section “Configuration.”
Adjust how long the automation should press the door against the frame before it opens.

3) Advanced Setting Opening Jolt Torque — Opening Jolt Torque ** : : : : : 20%

Activate the **Lock Release function**, see the section “Configuration.”
Adjust how forcefully the automation should press the door against the frame before it opens.

4) Advanced Setting Open Delay — Open Delay : : : : : : : : 0.0s

Activate the **Electric Lock function**, see the section “Configuration.”
It is possible to add a short start delay to the automation so that the lock has time to unlock. This can be useful when using motorized locks.



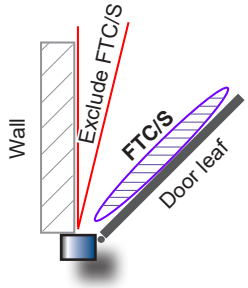
5) Advanced Setting Wind Stop Torque — Wind Stop Torque ** : : : : : 12%

Activate the **Wind Stop**, see the section “Configuration.”
This allows you to change the value of the force that holds the door in the closed position.
This setting cannot be combined with manual operation of the door.

6) Advanced Setting Dynamic Pause — Dynamic Pause is DISABLE

OD: Increase hold time is a function that increases the set hold time by 1 second each time the door detects an obstacle during the closing phase. When the automation has closed the door without detecting any obstacle, the hold time is reset to the specified value.
Additionally, the “buy time” function is activated, meaning that for each opening impulse the door automation receives while it is open, the hold time is reset.

7) Advanced Setting FTC-S Exclusion — FTC-S Stop Range : : : : : : : : 000



If the door opens towards a wall, there is a high risk that the safety sensor in the opening (SIO) will detect the wall as an obstacle. It is possible to exclude this sensor during the final part of the opening phase. The value is given as a percentage of the total opening.
000 = Do not exclude FTC/S.
100 = Exclude FTC/S throughout the entire opening.
Example: If you want to deactivate the photocell action when the door is open at 80% of the total opening, set the value to 20.

WARNING: The removed zone can be very dangerous as it is not protected!

8) Advanced Setting Fire Release — Fire Release Door CloseLock

Activate the **Fire Alarm function**, see the section “Configuration.”
In the event of a fire alarm, it allows you to determine what should happen if inputs 3-4 are broken.

- **Free mode** = The automation is set to free mode and closes with spring force.
- **Open** = The automation sets the door to the open position.
- **Closed and locked =** The door is closed and locked.
- **Closed and unlocked** = The door is closed but unlocked

9) Advanced Setting Max Obst Cycles — Max Obst Cycles **** : : : : : 100

This setting determines how many closing attempts the automation should make if it detects an obstacle. When an obstacle is detected, the door will open again immediately and then close slowly. Set the value from 0 to 256. A value of 0 means no limitation.

10) Advanced Setting OD Close [Auto] — OD Close [Auto] Reopen

After detecting an obstacle during closing, the automation reacts in the following ways according to the settings:

- **REOPEN: The door will reopen and then close after the hold time.**
- **STOP & WAIT: The door stops and will close after the hold time expires.**
- **STOP: The door stops and waits for a command to open and another command to close again.**

11) Advanced Setting OD Close [Semi] — OD Close is DISABLE

Choose whether the automation should detect obstacles during the closing cycle in **semi-automatic mode** or if the automation should function as a “door closer.”

Activation function

12) Advanced Setting Ex Power Close — ExtraPower Close ENABLE

Activate the activation function. In the final part of the closing cycle, the automation presses the door against the frame to overcome any seal pressure. You can adjust both the force and how long the automation should press using the settings below.

13) Advanced Setting ExPwr Close Torq — ExPwr Close Torq * * * : : : : : 30%

Activate the **Ex Power Close.**
Adjust the force of the activation function.

14) Advanced Setting ExPwr Close Time — ExPwr Close Time : : : : : : : : 0.5s

Activate the **Ex Power Close.**
Adjust how long the automation should press using the activation function.

15) Advanced Setting ExPwr Close Pos — ExPwr Close Pos * * * * * : : : : /%

Activate the **Ex Power Close.**
Adjust the position where the activation function should be triggered.

16) Advanced Setting ExPwr Close Dly — ExPwr Close Dly * : : : : : : : 1.0s

Activate the **Ex Power Close.**
Adjust how long the automation should wait before closing the door.

17) Advanced Setting Test FTC — Test FTC is DISABLE

Activate or deactivate the safety sensor test during closing (**FTC**)
After auto calibration, you will be asked whether you want to activate or deactivate the safety sensor test. According to **EN16005**, the test should be activated.
The automation will then only operate in high performance mode if safety sensors are

18) Advanced Setting Test FTC/S — Test FTC/S is DISABLE

Activate or deactivate the safety sensor test during opening (**FTC/S**)
After auto calibration, you will be asked whether you want to activate or deactivate the safety sensor test. According to **EN16005**, the test should be activated.
The automation will then only operate in high performance mode if safety sensors are

19) Advanced Setting Fail Test FTC — Test FTC Fail Low Energy

Specify whether the door should go into Low Energy mode or stop if the safety sensor test during closing (**FTC**) fails.

20) Advanced Setting Fail Test FTC/S — Test FTC/S Fail Low Energy

Specify whether the door should go into Low Energy mode or stop if the safety sensor test during opening (**FTC/S**) fails.

21) Advanced Setting Door Diameter — Door Diameter **** : : : : : 1.20

Specify the door width in meters.

22) Advanced Setting Door Weight — Door Weight **** : : : : : 120

Specify the door weight in kilograms.

23) Advanced Setting Latch ctrl. pos. — Latch ctrl. pos. : : : : : : : : 0%

Choose the position where the **Latch ctrl. vridm.** should assist. This can be helpful if the lock is not unlocking properly. First, adjust the **Lock Release setting**, If the issue persists, you can use the **Latch ctrl.**

24) Advanced Setting Latch ctrl. torq. — Latch ctrl. torq. : : : : : : : : 0%

Specify the force that the **Latch ctrl.** should use.

25) Advanced Setting Promptness Open — Promptness Open * : : : : : : : 0.05s

Opens / Closes FAST — **Opens / Closes SMOOTH**
min 0,1 ---------- 5 max

26) Advanced Setting Promptness Close — Promptness Close * : : : : : : : 0.03s

Promptness Open och **Promptness Close** can be useful if the door is heavy and slams during opening or closing. You can adjust the value to achieve a balanced opening or closing. The parameters are active in both opening and closing in **automatic mode**, and are only active during the opening phase in **semi-automatic mode**.

27) Advanced Setting Night Only Lock — Night Lock is DISABLE

If you set this setting to **Activated**, the lock will follow the night mode on inputs **14-15**. When the inputs are **open** (Day) the lock will remain unlocked after the first passage. When the inputs are **closed** (Night) the lock will unlock before each opening.

28) Advanced Setting Ext Start Filter — Ext Start Filter : : : : : : : : 0.0s

Here you can set how long inputs **15-16** must be closed before the automation starts. An opening impulse must be given within the set time before the automation starts. This function replaces a time relay in the elbow switch.

29) Advanced Setting Ext Start Mode — Ext Start Mode RECLOSE

If the automation receives a constant closure on inputs **15-16**, you can choose:
- **RECLOSE =** The automation will close the door after the set hold time.
- **OPEN** = The automation will wait in the open position until the signal on the input is

30) Advanced Setting Open Relay Mode — Open Relay Mode STATE

Control relay output **1-2**.
- **State =** The relay indicates if the door is closed or in the ongoing cycle.
- **Service** = The relay indicates if the door automation requires service. The relay can be connected to an access control system to send an email. See the section "**Service menu**".

31) Advanced Setting FTC-S MODE — FTC-S MODE RECLOSING

Select the automation's behavior when the safety sensor detects an obstacle during opening (**FTC-S**)
- **Reclosing =** Waits for obstacle removal, then opens.
- **Stop** = Stops 4 seconds, then closes if obstacle remains.

32) Advanced Setting FTC Test Filter — FTC Test Filter : : : : : : : : 020ms

Set the response time for the safety sensor test signal according to the manufacturer:

Hotron SSS-5	20ms	Bircher	50ms
BEA 4Safe and Flatscan	5ms		

33) Advanced Setting FTC Override — FTC Override DISABLE

Activate the closing sensor during manual door operation:
- **Disable** = Closing sensor (FTC) is disabled during manual opening.
- **Enable** = Closing sensor (FTC) is enabled during manual opening.

34) Advanced Setting Magnet Mode — Magnet Mode Timed

Only active if the Electric Lock setting is set to Magnetic Lock:
- **Timed** = The magnetic lock engages after the set unlocking time.
- **Position** = The magnetic lock engages when the door reaches its open position.

35) Advanced Setting Fire Mode Safety — Fire Mode Safety OFF

Disconnection of safety sensors in fire mode:
- **Off** = The door automation ignores the safety sensors in fire mode.
- **On** = The door automation responds to the safety sensors in fire mode.

36) Advanced Setting FTC TEST MODE — FTC TEST MODE Active LOW

Test signal level for the safety sensor:
- **Active LOW** = 12V in standby, 0V during test.
- **Active HIGH** = 0V in standby, 12V during test.

TX MANAGEMENT

The door automation is equipped with a radio receiver, allowing you to manage and store up to 50 remote controls (TX).

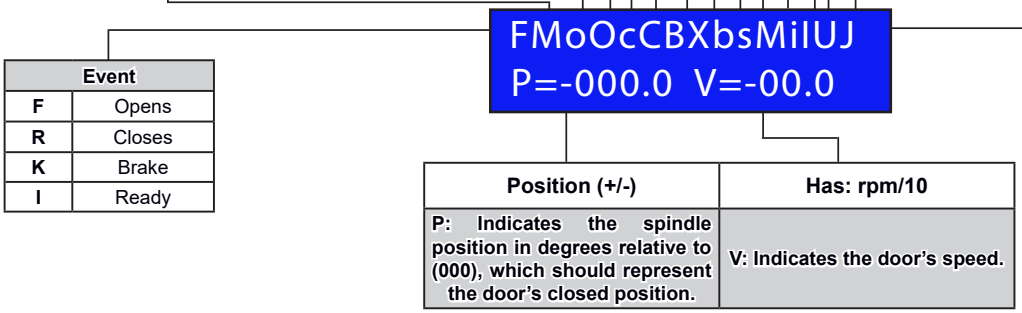
Main Menu TX Management

- TX Management Add — Add a transmitter: Select **Add** and press **OK**. Follow the instructions on the display.
- TX Management Add Master — Add a programming transmitter: Select **Add** and press **OK**. Follow the instructions on the display.
- TX Management Remove — Remove a transmitter: Select **Remove** and press **OK**. Follow the instructions on the display. If successful, the message **Transmitter Removed** will appear.
- TX Management Remove All — Delete all stored transmitters: Select **Remove All** and press **OK**.
- TX Management List — Here you can view all transmitters stored in memory.

INFORMATION

Explanation of the display

M / S	o	O	c	C	B	1,2,3,4,5,f	b	s	M	k / i	K / I	U	J / E
Master / Slav	Opens	Open	Closes	Closed	Obstacle	Obstacle Type	Closes after Obstacle	Stop	Motor	k = Calibrating i = Finished	K = Calibrating I = Finished	Electrical Lock	Lock release / Activation



Event	
F	Opens
R	Closes
K	Brake
I	Ready

Position (+/-)	Has: rpm/10
P: Indicates the spindle position in degrees relative to (000), which should represent the door's closed position.	V: Indicates the door's speed.

Information Version — WadoSpring 0.5a 04-Apr-2024

This displays the software version of your door automation system.

Information Counter — Counter 13528

This shows the number of cycles the door automation system has completed. This information is useful for warranty issues or service intervals.

Information OBSTACLE LIST — Cycle 000013528 OD: B2 OPEN SEMI

Obstacle List displays the latest obstacle detections recorded by the automation, including the cycle, obstacle type (e.g., B2), whether it occurred during the opening or closing phase, and the operating mode of the automation (e.g., semi-automatic mode). For information on obstacle types, refer to page 21.

Advanced Setting RESET OBST. LIST — RESET OBST. LIST?

Here you can reset the obstacle detection log. The log stores up to 20 obstacle detections, after which the oldest entry is overwritten.

FACTORY DEFAULTS

After performing a factory reset, you need to run a new auto-calibration and set new door limits.

Main Menu Factory Defaults — Reset to Factory Defaults?

Reset the automation to factory settings. After performing this function, all parameters will be restored to their default values.

Are you sure?

Press OK to proceed or ESC to exit without making any changes. This action cannot be undone.

SYSTEM RESET

A system reset can be performed, equivalent to a "power off + power on."
This function does not change parameter values, except for (I and i), which will be recalculated during the next two cycles.

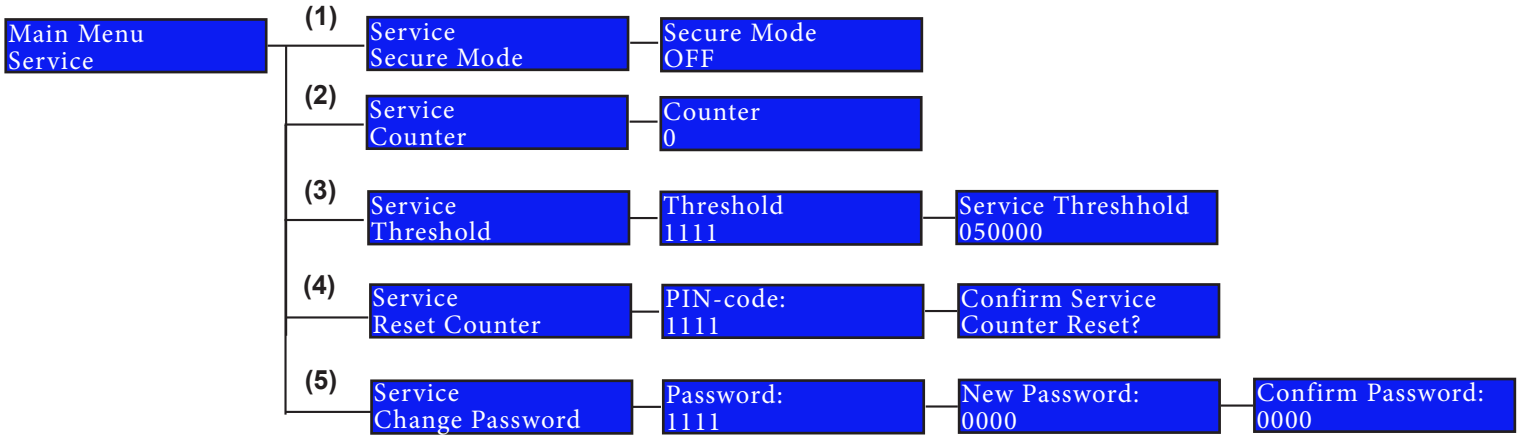
Main Menu System Reset — Confirm System Reset ?

Are you sure ?

Perform a system reset only when the door is CLOSED

SERVICE MENU

The unit has two counters: Total Counter and Service Counter. The Total Counter records the total number of cycles the automation has completed, and its value can be viewed in the Information menu (see page 25). The Service Counter is used to set service intervals and can be reset after service is performed.



(1) : In secure mode, it is possible to lock the display with a password to prevent unauthorized access to the menu.

(2) : Current status of the service counter.

(3) : Service interval: The number of cycles the automation will complete before prompting for service. When service is due, the diode will flash red slowly, or the status relay will switch. This can be configured in the “Advanced Settings” section. If the interval is set to 0 (default), the automation will never prompt for service.

(4) : Reset the service counter: This must be reset after service is performed. Once reset, the diode lights green, or the status relay switches back, and the counter starts over from zero.

(5) : Change the PIN code. **Default PIN code = 1111.**

Maintenance and Care.

A door system with automation requires regular inspection (every 12 months or 100,000 cycles) based on the following points:

1) Door balance and hinge functionality: Ensure the door is properly balanced and that the hinges are working correctly.

2) Sliding arm:
- 2A) Verify the glide rail is securely fastened to the door leaf and is horizontally aligned.
- 2B) Check the smoothness of the glide rail.
- 2C) Inspect the drive axle bolt on the main arm.
- 2D) Assess the durability of the linkage arm.
- 2E) Clean the rail if necessary.

3) Push arm:
- 3A) Ensure the door attachment on the door is secure.
- 3B) Check the functionality of the angle bracket.
- 3C) Inspect the drive axle bolt on the main arm.
- 3D) Evaluate the durability of the joint arm and linkage arm (two M5 x 12 screws).

4) M6x20 screw: Check the screw that secures the motor spindle to the mechanism.

5) Automation mounting: Inspect the fastening of the automation system to the mounting plate and wall.

6) Door leaf and frame wear: Look for signs of wear around the door leaf and its casing.

7) Peripheral equipment functionality: Test the operation of accessories such as radar sensors, electric strikes, or magnetic locks.

8) Synchronization for paired/double doors: For overlapping double doors, ensure the two door leaves are synchronized.

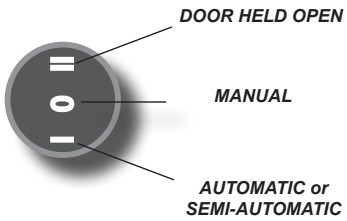
User Instructions

If the door is functioning properly, the LED will display a STEADY GREEN LIGHT.

How to Open the Door

Depending on the installed accessories, the door can be opened using the following devices:

- OPEN BUTTON
- REMOTE CONTROL
- RADAR (INTERNAL / EXTERNAL)
- MANUAL PUSH ON THE DOOR TO OPEN OR CLOSE



How to change the operating mode of the door.

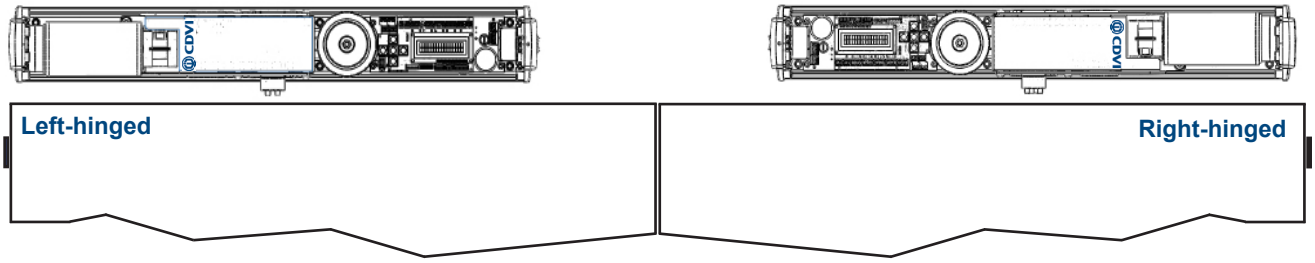
Operating mode	The operator
Automatic Mode	Move the external operator to position I. The LED lights up **GREEN** Change this in the submenu under main function.
Semi-automatic mode.	Move the external operator to position I. The LED lights up **GREEN**
Held-open mode.	Move the external operator to position II. The LED lights up **ORANGE**
Manual mode.	Move the external operator to position 0. The LED turns off.
Night mode (when enabled)	Move the external operator to position I. The LED BLINKS **ORANGE**

DOUBLE DOOR CONFIGURATION

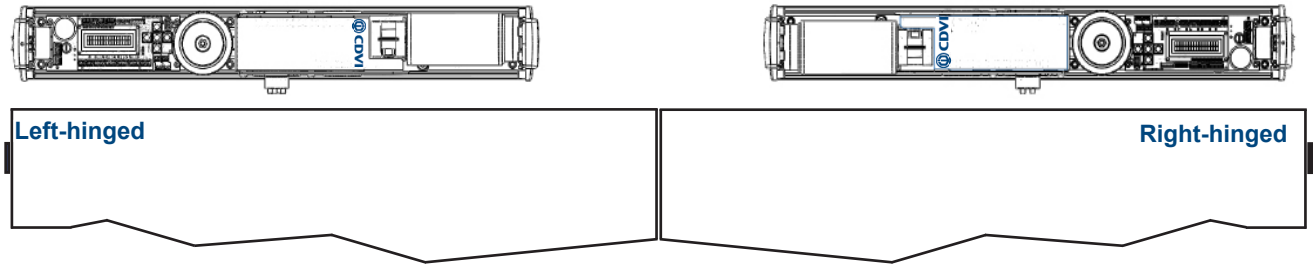
The double door function can be achieved using two standard Digiway SR units connected with a synchronization cable.
You can either install the operators as they are or add a cover for the central section.

A) Installation <u>without</u> the cover.

A1 - Inward-opening doors: sliding arms.



A2 - Outward-opening doors: push arms.



Follow the measurements on page 10 during installation.
NOTE: Operators installed on left-hinged doors opening inward and right-hinged doors opening outward require the operator to be reversed, as shown on page 8.

B) Installation <u>with</u> a cover.

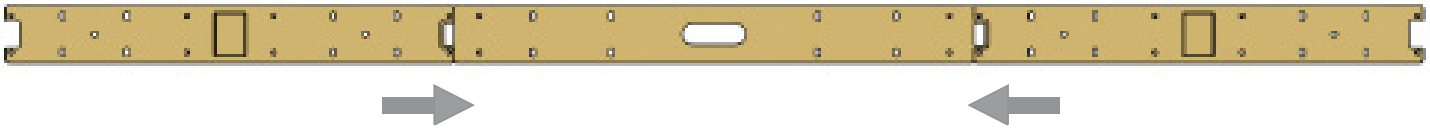
Five different dimensions are available. The cover and mounting plate are included in the packages for double doors.

Double Door Total Width	Door Leaf Width	p/n Sliding Arm	p/n Push Arm
1600 mm	70 - 80 cm	DWSD10216SCD	DWSD10216ACD
1700 mm	81 - 85 cm	DWSD10217SCD	DWSD10217ACD
1800 mm	86 - 90 cm	DWSD10218SCD	DWSD10218ACD
1900 mm	91 - 95 cm	DWSD10219SCD	DWSD10219ACD
2000 mm	96 - 100 cm	DWSD10220SCD	DWSD10220ACD

B1. Mounting plate

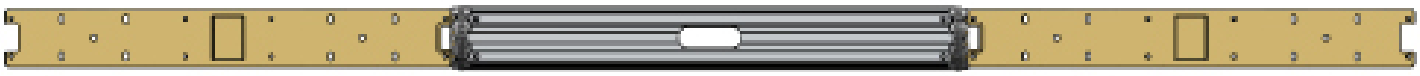
- Measure the optimal location for mounting the plate, ensuring it is centered over the double door.
- Mark the holes carefully for the mounting plate.
- Drill holes and install using the included plugs.
- Run the power supply for the automation through the center hole of the cover.
- Secure the mounting plate with the included screws, ensuring it is mounted horizontally.

- Mount the automation mounting plates on either side of the central plate.
- Drill the holes and insert the ribbed plugs.
- Secure the mounting plates with the included screws.



B2. Central profile

Attach the central profile using the four included M6x14 screws.

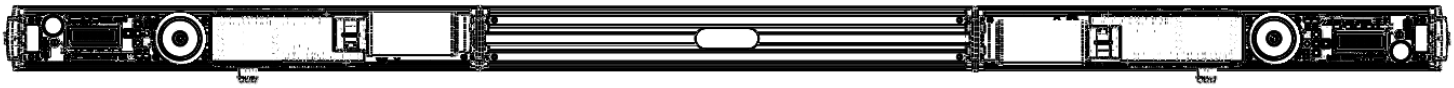


B3. Install the automation units

Mount the two automation units according to the instructions in section A: inward-opening or outward-opening doors.

Outward-Opening Configuration

- Remove the right side of both automation units.
- Mount the left automation unit on the left mounting plate.
- Reverse the right automation unit and mount it on the right mounting plate.
- Loosen the M6 screw to reverse the motor spindle as shown on page 8.
- Flip the LCD display.
- Install the two pivot arms according to the instructions on page 10.



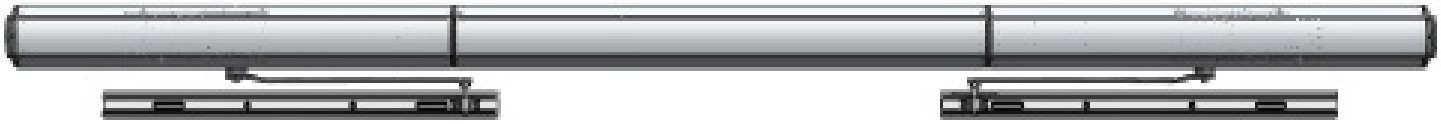
Inward-Opening Configuration

- Remove the right side of both automation units.
- Reverse the left automation unit and mount it on the left mounting plate.
- Remove the left side of the right automation unit.
- Remove 15 cm of cable from the left side.
- Mount the right automation unit on the right mounting plate.
- Loosen the M6 screw to reverse the motor spindle as shown on page 8.
- Connect the included 60 cm white 6-core cable.
- Flip the LCD display.

C) Install the Arms

Sliding Arm (Inward-Opening Door)

- Install both arms onto their respective motor spindles using the included M6x12 screws.
- Insert the sliding rail into the sliding block.
- Set the operator to position 0 and manually open/close the door until the optimal position for the sliding rail is found.
- Secure the sliding rail with the four included screws.



Pivot Arm (Outward-Opening Door)

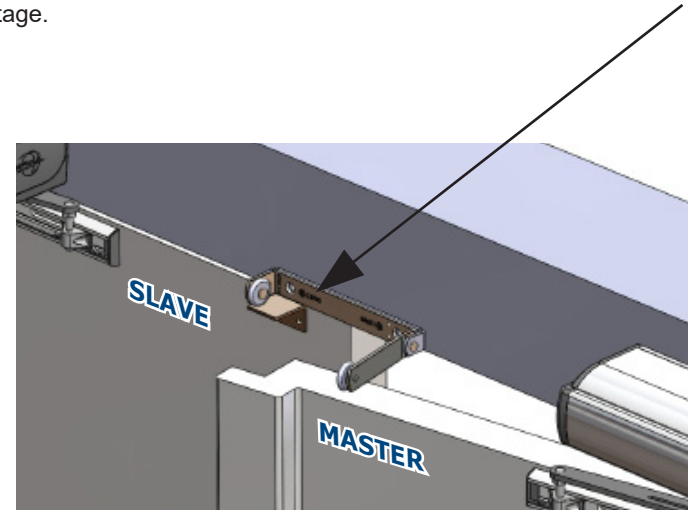
- Attach both arms to their respective motor spindles using the included M6x12 screws.
- Position the arm against the door, carefully verifying the measurements before securing the arm. Measurements are provided on page 10.
- Secure the plate using the two included screws.

Mechanical Inspection

- Set the operator to position 0 and ensure that both doors move completely freely during both opening and closing.

D) Door Coordinator for Power Failure (Door Overlap)

If Digiway SR operators are used with overlapping doors, a mechanical door coordinator is recommended to ensure the correct door closes first in the event of a power outage.



E) Overlapping doors in semi-automatic mode.

If power is connected and the operators are working in semi-automatic mode, they will close using spring force.
The automation always monitors the two door leaves, so if you are not using a door coordinator, adjust the closing speed of the master door to achieve a smooth closure without it pausing to wait for the slave door.

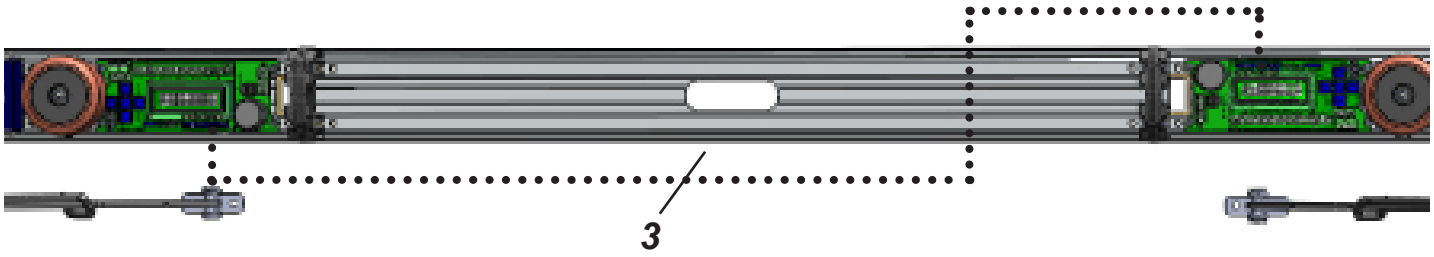
You can adjust the closing speed in the “Main Function” menu (see page 20).

F) Connections

For complete Digiway SR double-door kits, a synchronization cable is included in the package.

It is also possible to convert two single-door operators into a double-door system using the synchronization cable DWPSC.

The cable features two special three-pin connectors and must be connected to the correct locations (see the diagram below).



1) For the remaining connections, refer to pages 11-13 in this manual.

WARNING: If the double door has overlapping leaves, it is crucial to correctly identify the doors.
The **MASTER** operator, which controls this door, must open first and close last.
The **SLAVE** operator, which controls the other door, must open last and close first.

2) Connect any RADAR and day/night mode to the operator designated as the **MASTER.**

3) The photocells can be connected in two ways:

- Connect the safety sensors to terminals 5-6-7 on the corresponding circuit board.
- Connect the safety sensors from each door in series. Then connect to terminals 5-6-7 on the MASTER unit and bridge to terminals 5-6-7 on the SLAVE unit.

4) Connect the electric lock to the **MASTER** unit.

5) On the SLAVE unit, only the programming transmitter should be memorized. All user transmitters should be connected to the MASTER operator.

WARNING : Do NOT memorize the same programming transmitter for both operators!

Commissioning

Follow these steps to commission the double-door operators.
Ensure that all connections and installations are correct before starting the commissioning process.

1) On the Slave unit, open the CONFIGURATION menu:
Set the **Double Door Master/Slave** setting to **= Slave**
Temporarily set the **Single/Dual Door** setting to **= Single Door (default value)**

2) On the Master unit, open the CONFIGURATION menu:
Set the **Double Door Master/Slave** setting to **= Master**
Temporarily set the **Single/Dual Door** setting to **= Single Door (default value)**

NOTE: All connections, such as radar and other devices, must be connected to the MASTER unit.

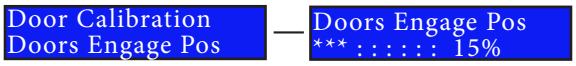
3) Ensure that the safety inputs (terminals 5-6-7) on the SLAVE unit are either bridged or connected to the correct safety sensors (FTC and FTC/S), and that the LED lights L3 and L4 are steadily lit.

4) Ensure that the safety inputs (terminals 5-6-7) on the MASTER unit are either bridged or connected to the correct safety sensors (FTC and FTC/S), and that the LED lights L3 and L4 are steadily lit.

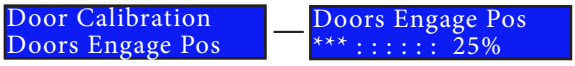
5) Follow the steps for DOOR CALIBRATION on page 18 of this manual for each door. Once completed, set both operators to position “0”.

6) Set the POSITION OFFSET in the Door Calibration menu. This defines the position (in cases of overlapping doors) where the doors can open without colliding with each other.

SLAV = 15



MASTER = 25



The preset values should be adjusted.

7) Open the CONFIGURATION menu on the SLAVE unit and adjust the following parameters:
Single/Dual Door = Dual Door
Double Door Overlap = Enabled (if the door leaves have an overlap)

8) Open the CONFIGURATION menu on the MASTER unit and adjust the following parameters:
Single/Dual Door = Dual Door
Double Door Overlap = Enabled (if the door leaves have an overlap)

9) Set both operators to position “I” (automatic). Ensure that the letters S and M appear on the displays of both units, confirming they are communicating with each other.

Operating mode

Overlapping Doors.		
Master	**Slave**	**Operating Mode**
0	**-**	Both doors are free
II	**I (*)**	Both doors remain always open
I	**I**	Both doors open, first the master door, then the slave door
	0	Only the master door opens. The slave door remains closed
	II	Not allowed

Ej Överlappande Dörrar		
Master	**Slav**	**Operating Mode.**
0	**0**	Both doors are free
II	**II**	Both doors remain always open
I	**I**	Both doors open simultaneously
I	**0**	Only the master door opens. The slave door remains closed
0	**I**	Only the slave door opens. The master door remains closed.

(*) : Do not set the operator on the SLAVE door to position 0 or II while the MASTER door is in position II, as there will be no opening delay, and the two door leaves could collide.

TROUBLESHOOTING

Problem	Cause	Solution
The door does not open	The sensor strips or program selector are incorrectly set. Check that the lights above/below terminals 5, 7, and 8 on the automation are active.	Verify the status of the program selector, disconnect the Digiway BLE app, and ensure the sensor strips are functioning properly.
The door does not fully close	The return spring is too loose.	Tighten the return spring.
The door does not fully close despite the return spring being tightened	Overpressure or resistance is preventing the door from closing properly.	Enable the closing force function in advanced settings.
The LED flashes red and the door moves slowly	Safety sensor test failed.	Check the safety sensors, or disable the test function in advanced settings.
The door does not move	The C-NC safety sensors are not closed.	If safety sensors are not in use, bridge terminals 5-6 and 6-7.
Obstacle : B1	Obstacle detection issues: Speed variation exceeds 50%.	Remove the obstacle. If false detection occurs, increase the factory-set speed tolerance value (50%).
Obstacle : B2	Obstacle detection issues: Current consumption variation exceeds 65%.	Remove the obstacle. If false detection occurs, increase the factory-set consumption tolerance value (65%).
Obstacle : B3	Combination of B1 and B2.	Refer to B1 and B2.
Obstacle : B4	Detected obstacle prevents movement of at least 1% of the motion path within 1.5 seconds.	Remove the obstacle. Contact support to adjust parameters.
Obstacle : B5	Obstacle increases current consumption by more than 2.4A for 400 ms.	Remove the obstacle. Contact support to adjust parameters.
Obstacle : B6	Obstacle detection occurs in the last 10° of closing or after 80° of the opening cycle due to: 1) Current consumption peaking at 97% of the maximum value. 2) Speed dropping below 20°/min. This can only occur if auto-calibration is missing (i and I not displayed).	Remove the obstacle and contact support to adjust parameters.
Obstacle : Bf	Obstacle detected by the slave door in a double-door configuration.	Remove the obstacle.
LED DL1 (see page 14) lit red	Elevated current consumption.	ERROR: Replace the circuit board.
LED DL2 (see page 14) lit red	Short circuit in the circuit board.	ERROR: Replace the circuit board.
LED DL3 (see page 14) lit red	Circuit board overheated.	Turn off the system and check the operating temperature. If the problem persists, replace the circuit board.
Slow closing speed in semi-automatic mode	The return spring is too loose, or the closing speed setting is too low.	Tighten the spring or reduce the auto-brake setting.
The door does not close even when power is off	The return spring is broken.	Replace the entire mechanism.
Included remote control does not work	The remote has not been memorized, or the receiver memory has been factory reset.	Re-memorize the remote control.
No remote controls work	The remotes have not been memorized, or the radio receiver is faulty.	Memorize the remotes or replace the radio receiver module.
The operator does not function	The jumper is missing (see page 13).	Install the jumper.
The red diode blinks slowly	Service is due.	Contact support for assistance.
Test FTC/FTC-S fails	1) The safety sensors are faulty. 2) Terminals 5-6-7 are bridged, but the safety sensor test function is active. 3) The response time is set too short and does not match the sensors' response time. 4) The test signal setting does not match the safety sensors.	If the response time is too short, set a longer response time on parameter 30 in Advanced Settings. If the test signal setting does not match the sensors, adjust parameter 33 in Advanced Settings.

Installer: *(The name of the company that installed the automation)*

Identification: *(Identification of the door where the automation is installed, e.g., location or serial number)*

Location: *(Information about the building where the automation is installed)*

Address	
Owner's reference.	

Installer: *(Information about the company and the installer)*

Company	
Address	
Installer's Name	
Installer's Signature	

Installation Date: _____

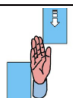
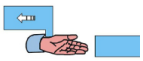
Identification and information of the automation:

Brand	CDVI
Model	Digiway-SR
Type	
Product Name	
Serial Number	
Manufacturing Date	

Identification of Safety Devices: *(Including photocells, safety mats, operating mode, etc.)*

Installation Manual: _____

NOTE: An installation performed on a swing door must include a risk assessment to minimize hazards associated with the installation. Below is a list of the most common mechanical hazards. Additional hazards can be found in Annex L of Standard EN16005.

DANGER	DESCRIPTION	INSTALLATION NOTES AND/OR MEASURES TO REDUCE RISK
	Collision	
	Crushing	
	Cutting	
	Shearing	
	Pinching risk	
	Sharp edges	
	Snagging risk	

Service

Date:	**Responsible Person's Name:**
Maintenance [ ] **Repair [ ]** **Upgrade [ ]** **Other [ ]**	**Description**
Signature	

Date:	**Responsible Person's Name:**
Maintenance [ ] **Repair [ ]** **Upgrade [ ]** **Other [ ]**	**Description**
Signature	

Date:	**Responsible Person's Name:**
Maintenance [ ] **Repair [ ]** **Upgrade [ ]** **Other [ ]**	**Description**
Signature	

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