

Installation Instructions and User Guide



Roller Door Opener

8001-0011-05 V2.0

- ### Important Safety Instructions

It is important for the safety of persons to follow all instructions. Follow all instructions as incorrect installation can lead to severe injury. Save these instructions.

 - Before installing the drive, check that the door is in good mechanical condition, correctly balanced and opens and closes properly.

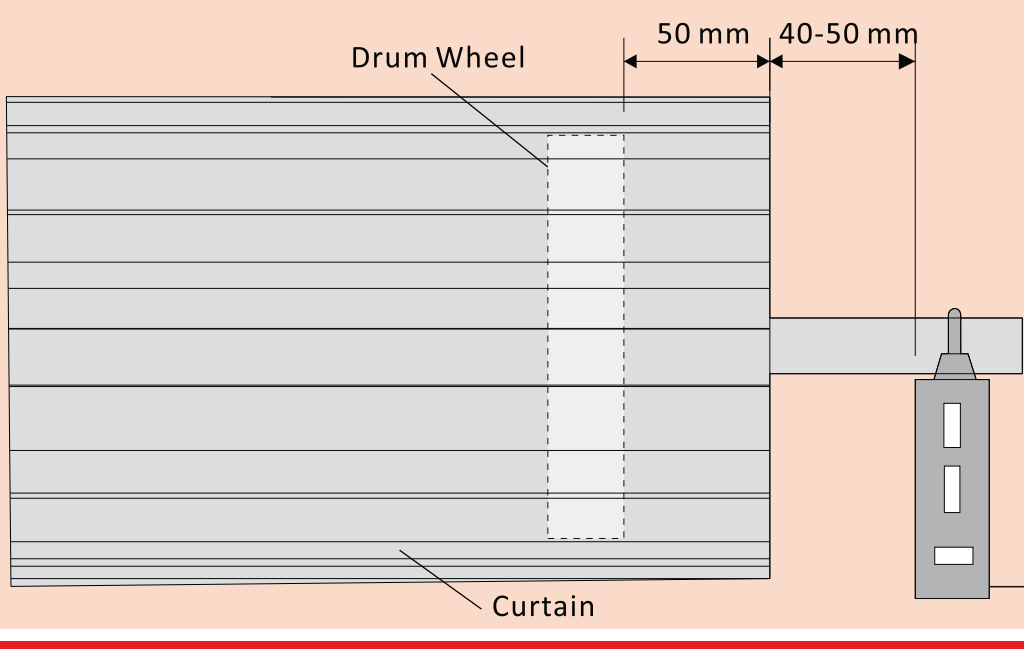
The door is deemed to be well balanced and aligned if it:

 - a. requires an equivalent amount of applied force to either manually open or close,
 - b. requires no more than 150N (15kg) of applied force to either manually open or close,
 - c. does not rise or fall more than 100mm when released at any point between fully open or fully closed positions,
 - d. does not rub on or incorrectly make contact with any supporting or surrounding structures
 - Have a qualified person check and make repairs if required.
 - Before installing the drive, remove all unnecessary ropes or chains and disable any equipment, such as locks, not needed for powered operation.
 - Install the actuating member for the manual release at a height less than 1.8m
 - Permanently fix the label concerning the manual release adjacent to its actuating member.
 - Install any fixed control at a height of at least 1.5m and within sight of the door but away from moving parts.
 - Permanently fix the labels warning against entrapment in a prominent place or near any fixed controls.
 - After installation, ensure that the mechanism is properly adjusted and that the drive reverses when the door contacts a 50 mm high object placed on the floor, for drives incorporating an entrapment protection system depending on contact with the bottom edge of the door.
 - After installation, ensure that the parts of the door do not extend over public footpaths or roads.
 - After installation, ensure that the drive prevents or stops the opening movement when the door is loaded with a mass of 20 kg, fixed centrally on the bottom edge of the door (for drives that can be used with doors having openings larger than 50 mm in diameter).
 - Never use the Drive unless the garage door is in full view and free from any object which may impede its movement such as cars or persons.
 - This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved.
 - Children shall not play with the appliance.
- Cleaning and user maintenance shall not be made by children without supervision
 - Do not allow children to play with door controls. Keep remote controls away from children;
 - Watch the moving door and keep people away until the door is completely opened or closed.
 - Take care when operating the manual release since an open door may fall rapidly due to weak or broken springs, or being out of balance.
 - Frequently examine the installation, in particular check cables, springs and mountings for signs of wear, damage or imbalance. Do not use if repair or adjustment is needed since a fault in the installation or an incorrectly balanced door may cause injury.
 - Each month check that the drive reverses when the door contacts a 50 mm high object placed on the floor. Adjust if necessary and recheck since an incorrect adjustment may present a hazard.
 - Never attempt to open or close the garage door by pulling on the Engage/Disengage Cord.
 - Removal of the protective covers must only be performed by a technically qualified person.
 - Never attempt to make any repairs or remove covers from the Drive without first disconnecting the power cord from power supply.
 - For safety reasons always ensure that the garage door is fully open and stationary before driving into or out of the garage.
 - For security reasons always ensure the garage door is fully closed and stationary before moving out of its view.
 - Keep hands and loose clothing clear of the Drive and moving garage door at all times.
 - In order for the Safety Reverse system to function it must first encounter an obstruction in the form of an object/person on to which some force **must** be exerted. As a result the object/person/garage door may suffer damage and/or injury.
 - Adjustments to the Safety Reverse system settings must only be carried out by a technically qualified person.
 - The Safety Reverse System is designed to work on STATIONARY objects only. Serious personal injury, death and/or property damage may occur if the garage door comes into contact with a moving object during an opening or closing movement.
 - For additional safety we strongly recommend the inclusion of Safety Beams. Although the Drive incorporates a pressure sensitive Safety Reverse system, the addition of Safety Beams will greatly enhance the safety of an automatic garage door and provide additional peace of mind. In some countries it is a mandate of law to fit Safety Beams. It is the sole responsibility of the owner/installer to fit Safety Beams in those countries that so require.

A Installation and Setup

Check Side Room Requirement

1



Drum Wheel

50 mm

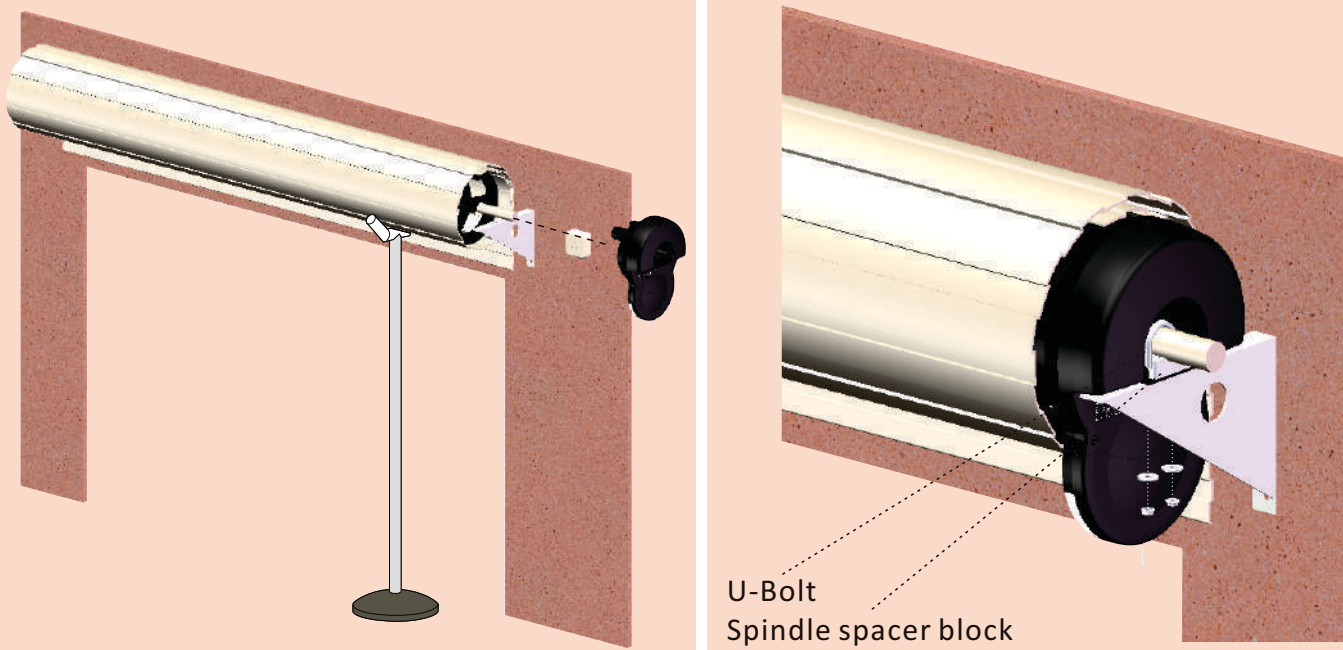
40-50 mm

Curtain

Mounting Bracket

2

Fit Opener to Door (right hand installation described)

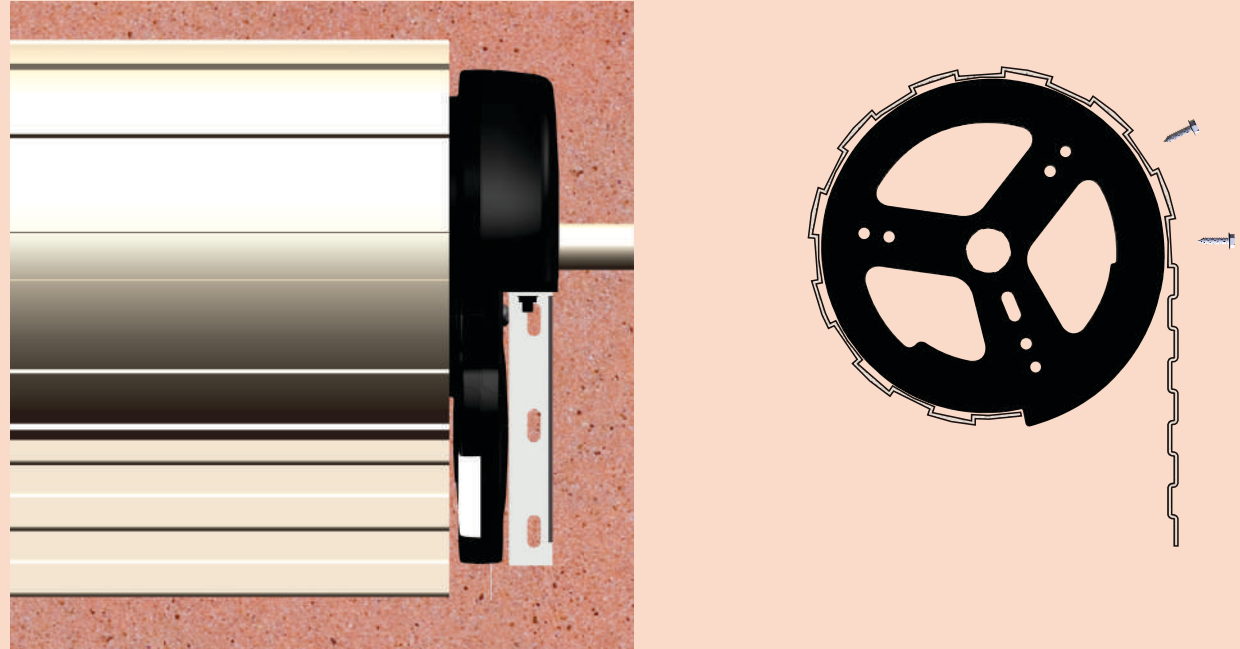


U-Bolt

Spindle spacer block

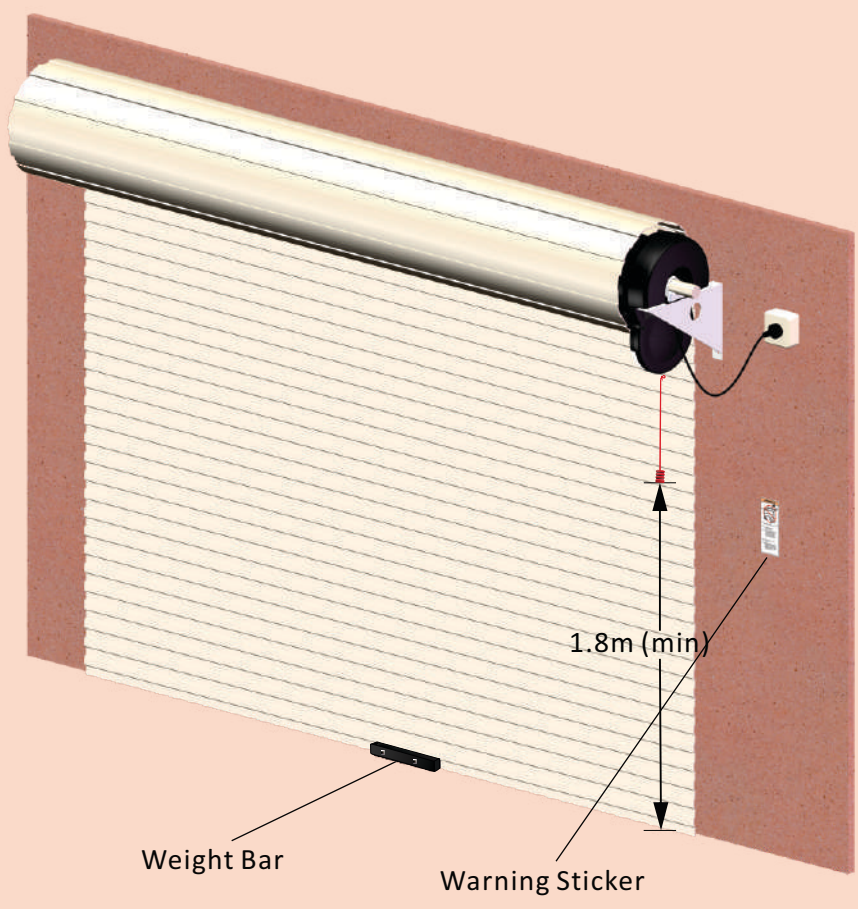
3

Pin Curtain to Drum Wheel



4

Fit Weight Bar, Attach Entrapment Warning Label, Fit Release Cord and Connect to Power Supply



Weight Bar

Warning Sticker

1.8m (min)

B Learning

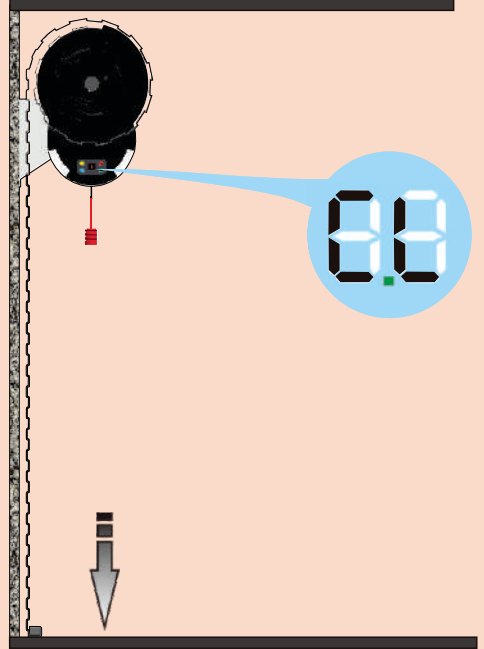
1 Select Installation Side

Power on the unit. If **dl** (Left Installation) or **dr** (Right Installation) does not appear on the display, Press and hold **stop** until they appears. Use **+** or **-** to select the opener installation direction then press **enter** the display will show **ll**.

2

Close Limit

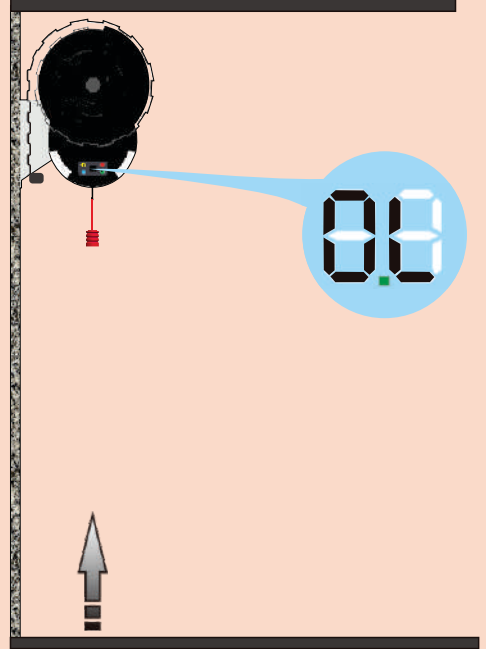
- 1.) Display shows **ll**.
- 2.) Press **+** or **-** to move the door to close position.
- 3.) Momentarily press **enter** to store closed position, **cl** is displayed.



3

Open Limit

- 1.) Use **+** or **-** button to move the door to open position.
- 2.) Momentarily press **enter** to store the open position, **ol** is displayed.
- 3.) Momentarily press **enter**. Door will first open to find the track stop and then automatically close to learn safety reverse force values - display will extinguish. Learning completed.



Note: After every power outage, the **dl** or **dr** stored information will blink for 2-3 seconds. **rp** will be displayed. The door will first open to find the reference point(**rp**). It will only be possible to close the door once it has found the reference point.

C

OPTIONAL: Fine Tune Safety Offset Value

Safety Offset Value determines how easily the door Safety Reverses/Safety Stops when hitting an obstruction. In order to prevent "ghosting" on a big, badly sprung or worn door, Safety Offset should be set to a **higher value** (max.=F5); In order to achieve a more sensitive Safety Reversing, Safety Offset should be set to a **lower value** (min =F1). Safety Offset Values can be fine tuned at any time

1

Fine Tune Safety Offset Value

2

Set Safety Offset Value to Maximum

1.) In Standby, Press or . The current Safety Offset Value is shown.
2.) Press to increase or to decrease the Value, being the most sensitive and being the least sensitive value.
3.) To confirm new Safety Offset Value press .
4.) To leave without changes wait 10 seconds or press .

1.) To achieve an installation with a **maximum of power** and **least sensitive** Safety Reverse/Safety Stop set Safety Offset Value to as shown besides.

D

Control Panel Functions

In Learn Mode and : Moves door in backwards or forwards direction
In Standby: Increase or Decrease Force Offset Values
Press and together: Enter Function Setup Menu
In Function Setup Menu: Scroll Functions and Values
In Transmitter Setup Menu: Scroll Functions

Short Press: Enter Transmitter Setup Menu (see)
Long Press (5 sec): Forced Relearn (see)

In Standby: Acts as Run Button (Open and Close Door)
In Setup Menus: Confirm Button and Courtesy Light both act as run buttons (Open, Stop, Close the door)

E

Transmitter Functions Ex Factory

1

Run Function

Alternately Opens, Closes or Stops the Garage Door.

2

Light / Transmitter Coding

Short Press - Switches Courtesy LED Light ON and OFF.
Long Press (5 sec) -Enter Transmitter Setup Menu. see for details.

3

Vacant

4

Vacant

Battery Replacement

1

2

3

F

Transmitter Coding

1

Bulk Coding via Transmitter (setup as shown in)

5 sec → 2x

- Long press **Light Function** (Button 2 on pre-coded Transmitter) for 5 sec,
— Courtesy LED Light begins to flash.
— Press new Transmitter **twice**,
— Learning Complete.

2

Delete all Transmitters

1x → 5 sec

- Short press on Opener,
→ Long press 5 sec until light starts flashing,
→ Deleting Complete.

3

Assign Certain Functions to Certain Transmitter Buttons

Bulk Coding (TX learns Functions as shown in)

Run Function Open/Stop/Close

Light Function Controls Courtesy LED Light

Ventilation / Holiday Mode Function Puts Opener into dormant state if closed.

Run Function/Auto Close Override Open/Stop/Close, without Auto-Close

OPEN Function Only OPENS Door

CLOSE Function only CLOSES Door

G

Menu Functions

1.) To Enter Function Setup Menu: press and at the same time.
2.) Use and to scroll up or down through the functions.
3.) Press to select the desired function.
4.) Now choose value with and . Confirm chosen value by pressing .
5.) To Exit Function Setup Menu at any time: press .

Function	Description	Values
	Safety Photo Beam	Disable Safety Beam Enable Safety Beam in CLOSE Direction
	Automatic Close Function <i>Note: Safety Beams must be installed and enabled</i>	Safety Beam Function not enabled No Auto-Close 5 sec / 30 sec 15 sec / 90 sec 30 sec / 180 sec If Safety Beam is activated by passing car or person: Door automatically closes after 5/15/30 sec. If Safety Beam is NOT activated by passing car or person: Door automatically closes after 30/90/180 sec.
	Running Speed of Opener	High Speed Low Speed After setup, will start learning procedure (see)
	Slow Stop Function	Short Slow Stop Long Slow Stop After setup, will start learning procedure (see)
	Courtesy Light illumination time	1 min 2 min 3 min
	Partial reverse / Full reverse	After Hitting Obstruction, Door will: Fully Reverse After Hitting Obstruction, Door will: Partial Reverse
	Signal Reverse / Signal stop	At press TX in Close Direction, Door will: Stop At press TX in Close Direction, Door will: Reverse Handsendersignal während ZU-Fahrt: Antrieb reversiert
	Door Service Monitor	OFF If Door is out of Balance, Light will flash during run to warn user
	Maximum Run Time	Opener Stops after 30 sec Run Time Opener Stops after 60 sec Run Time

H

Display Functions

Holiday Mode: Turn on by pressing Holiday Function (Button 3 on Pre-Coded TX) for 3 seconds. Places Opener in a dormant state after if closed. is displayed.

Factory Reset: Initiate Reset by pressing and power on at same time until Display shows . Previously coded TX will not be deleted.

Direction Left :Part of Learning procedure (see)

Direction Right :Part of Learning procedure (see)

Drive Door into CLOSE Position (Part of Learning procedure)(see)

Drive Door into OPEN Position (Part of Learning procedure) (see)

Force Learn:Part of Learning procedure (see)

Reference Point: After Power ON.

I

Error codes

If an error is encountered the Courtesy Light will triple flash and an error (Example of error code)will illuminate on the display panel.

	Error: Safety Beams misaligned or damaged. Fix: Check Safety Beam pilot light to ensure that beams are aligned. Check that wiring is intact and properly connected.
	Vacant
	Error: Door Service Monitor - indicates that door is out of balance. Fix: Disengage opener from door and manually check if door is correctly balanced.
	Error: Run Time - Indicates that 30 sec Run Time limit has been reached. Fix: Refer to Menu Functions section and increase Run Time to 60 sec.
	Error: Exceed factory set maximum power level during Limit Learn Mode (LL). Fix: Check spring balance of door. May suggest the door is too heavy for the opener.
	Error: Exceed offset level during safety reverse or safety stop. Fix: No action required.
	Error: Exceed maximum current limit. Fix: No action required.
	Error: Blown fuse Fix: Change the fuse
	Error: Hall sensor signal not present. Fix: Check that hall sensor connector is firmly plugged into main PCB. Replace hall sensor assembly.

J

Connection Plan

Open/Stop/Close