REAL
CARRIAGE DOOR &
SLIDING HARDWARE

Edison Sliding Opener Installation Manual

Thank you for choosing Real Sliding Hardware for your project!

We manufacture the highest quality doors and hardware out of the best raw materials in the USA.

We stand behind our products and are committed to providing an enjoyable customer experience.

For assistance, please contact our Customer Service Department.

Customer Service: 1-253-853-3815 or 1-800-694-5977

info@realslidinghardware.com

www.realslidinghardware.com

CAUTION

It is recommended that you have a low voltage electrician, or trade member familiar with garage door installations to install the operator. You may call us or the manufacturer to see if there is anyone in your area familiar with the Edison Opener. Real Carriage Door & Sliding Hardware is not liable for any damage that occurs during install, and replacements are the sole responsibility of the installer and customer. The manufacturer does carry a warranty for any defects or issues that are from manufacturing only and will have to be tested by the manufacturer's technical team before sending replacements.
It is also a good idea to install a surge protector to avoid any damage to the operator. The operator can be damaged by power surges or faulty wiring.

All California residents must have a battery backup installed with electronic door openers according to Senate Bill No. 969. Please call our main line for assistance or check out our website for additional information.

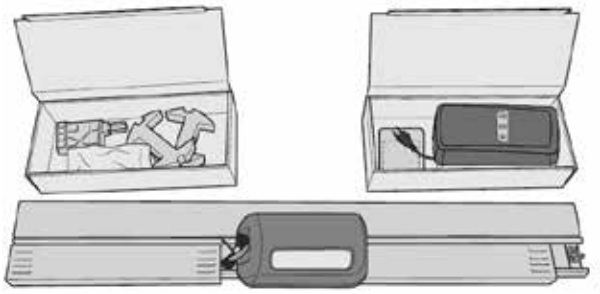
Table of Contents

Packaging and Parts

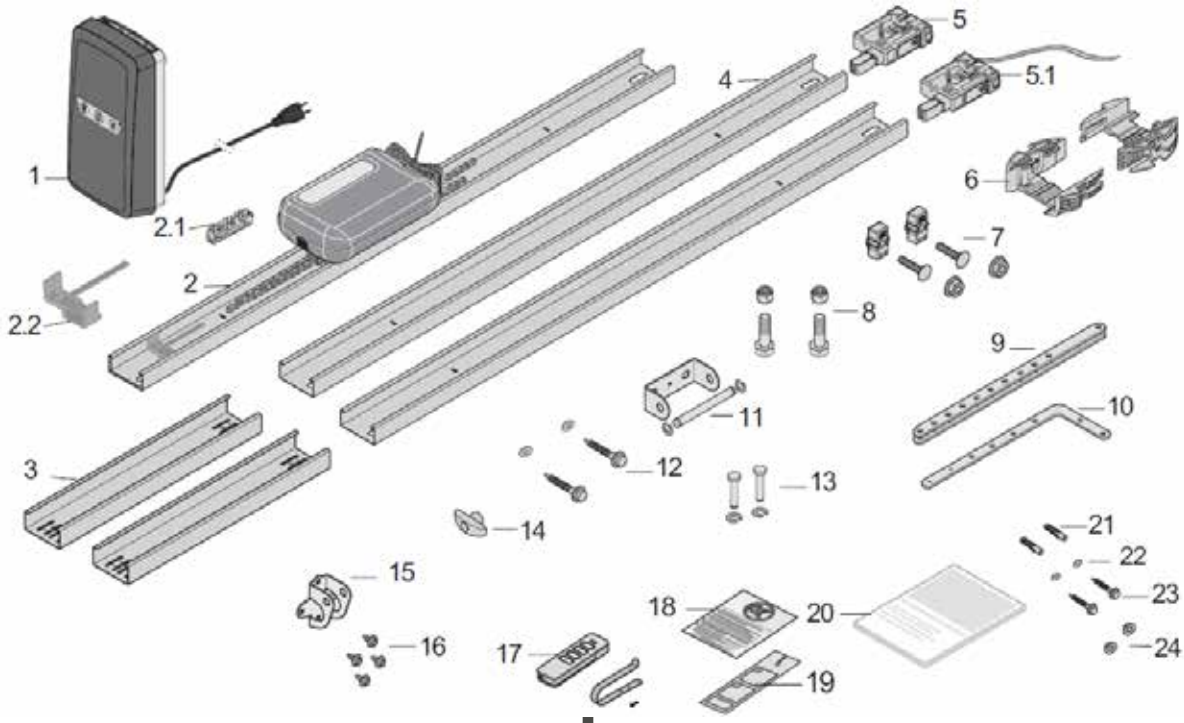
The Edison Opener will ship out in multiple packages. Weight and size will vary depending on order.

The main package is for your base kit:

- Shipping Dimensions are 44.5”x 7.5” x 5”
- Weight is approximately 30lbs



The kit includes the following parts:



- Control Unit (1)
- Main track pre-assembled with limit stop chain and motor carriage (2)
- Isolator (pre-assembled on chain) (2.1)
- Connecting sleeve x2 (3)
- Additional track pieces (4)
- Chain tensioner (for closing end of track) (5)
- Wire Connector (open end of track) (5.1)
- Ceiling bracket which is 2 parts (6)
- Ceiling bracket hardware (7)
- 2 bolts M8 x 20 (wrench size ½”) with two self-locking nuts M8 (8)
- Door Arm (9) **Note:** not needed
- Curved door arm (10)
- Header bracket with pin and 2 locking c-clips (11)
- 2 screws 8 x 60mm (wrench size ½”) and 2 washers 5/16” for the attachment to header (12)
- 2 pins with locking c-clip for door arms Note: not needed (13)
- Emergency release handle (14)
- Door bracket **Note:** not needed (15)
- Self-drilling screws ¼” (wrench size 3/8”) for the door bracket Note: not needed (16)

- Transmitter or remote which is preprogrammed to your opener (17)
- Warning label (18)
- Warning label for emergency release (19)
- Sommer (manufacturer's) installation manual (20)

Photo Eyes

-2 wires at 32' 9" long (1)

-1 transmitter photo eye (green sticker) (2)

-1 receiver photo eye (red sticker) (3)

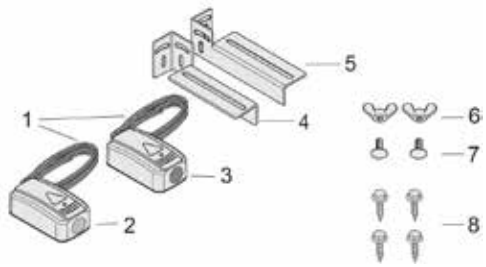
-1 mounting bracket left (4)

-1 mounting bracket (right) (5)

-2 wing nuts M6 (6)

-2 carriage bolts M6 (7)

-4 screws 3/8" (8)



Note: Weights will vary based on additional hardware that is ordered. The weight is per 9ft section of rail with motor and control unit housing. This does not include extensions or other hardware ordered.

Extensions (optional per application)

Extension packages are shipped seperately from the main box.

3ft extensions are 23" x 8" x 2" and are 4.45 lbs

5ft extensions are 44" x 8" x 2" and are 6.95 lbs

- Additional ceiling bracket (part 6 of main box)
- Magnetic coupler
- Masterlink
- Chain
- Rail Extension

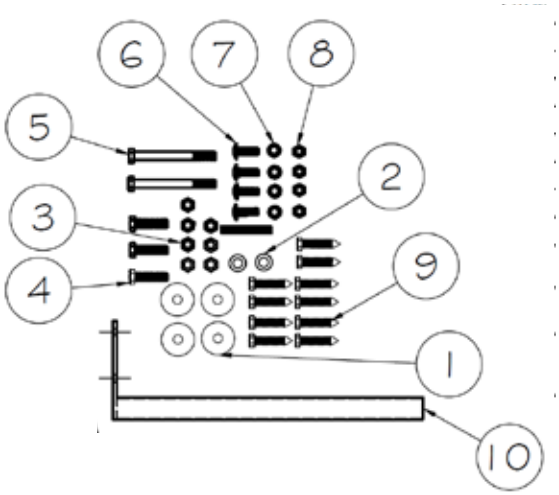
Additional Parts Box

This box includes additional items needed for your sliding door application. The package dimensions are 15" x 12" x 3".

This box will include:

1. Secondary remote for your convenience. Keep this remote separate from the one included in the main box. This remote is not programmed to the opener yet.
2. Door connection hardware pack

- (1) 3/8" x 1-1/2" washer (qty 4)
- (2) Ring Spacer 3/8" x 7/8" (qty 2)
- (3) 3/8" nylon lock-nut (qty 7)
- (4) 3/8" x 1" bolt (qty 3)
- (5) 3/8" x 3-3/4" bolt (qty 2)
- (6) 3/8" x 1" carriage bolt (qty 4)
- (7) 3/8" lock washer (qty 4)
- (8) 3/8" nut (qty 4)
- (9) 3/8" x 1-1/2" lag screw
- (10) Door bracket



3. Additional Header bracket (part 11 in main box)
4. U-fittings (2)
5. Wicket switches for bypass applications only
6. Battery Backup (optional except for CA residents)

Note: Any additional accessories ordered will be included in this box

When unpacking, make sure that all items are

included in the packages. If anything is missing, contact us. The actual content may vary depending on the specific order.

Specifications

The Edison operator can run up to 25ft right out of the box and can be programmed to operate up to 30ft. The control board has a motor brake function, meaning if the motor speed is exceeded, the motor brake actively uses the brake resistor. There are also terminals that allow you to hook up to your home automation system. Force process and positions are always known by the control unit, and any changes (attempted break in) will be recognized. Because of the learn mode (autoset), the motor will learn the force required to move the door. This means the operator will not run at full strength (unless needed), but instead adapts to your application. With this operator there is only one limit switch that needs to be installed, and the motor carriage is simply laid out and pre-installed on the rails.

Note: For additional information please visit the manufacturer's (Sommer) manual

- Troubleshooting page 62
- Warranty information page 67
- Ceiling mounting and position page 24

Technical Data	2060 pro+	2080 pro+	2110 pro+
Rated voltage	24V DC		
Rated frequency	60 Hz		
Number of programmable remote buttons	40		
Duty cycle	40 %		
Emission value according to operating environment	< 59 dBA – opener only		
IP code	NEMA1 IP21		
Protection class	class 2		

Technical Data	2060 pro+	2080 pro+	2110 pro+
Standard door height	7' and 8' doors (< 2 750 mm)		
Max. door height with extensions	24 ft. (up to 2 x 3.59 ft. 3 x 3.59 ft. 4 x 3.59 ft.) (7.10 m / up to 2 x 1096 mm 3 x 1096 mm 4 x 1096 mm)		
Speed *	9.4 inch/ sec. (240 mm/s)	8.3 inch/ sec. (210 mm/s)	7.4 inch/ sec. (120 mm/s)
Max. traction and pressure force	600 N (0.75 HP)	800 N (1 HP)	1100 N (1.25 HP)
Max. current consumption **	1.0 A	1.3 A	1.5 A
Standby	< 3 W		

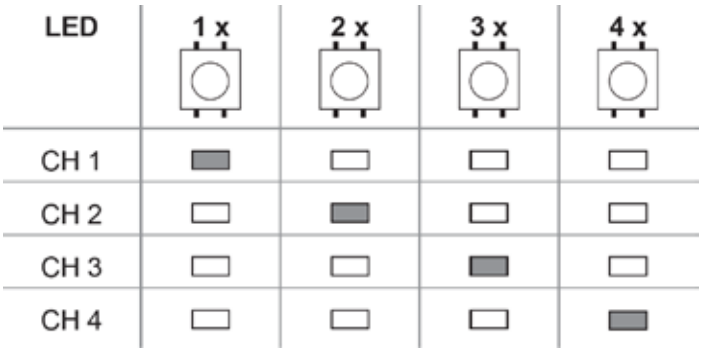
Channels

LED	Radio channel	Function
1	CH 1	Pulse Mode
2	CH 2	Partial Opening or lighting function
3	CH 3	Defined OPEN
4	CH 4	Defined CLOSED

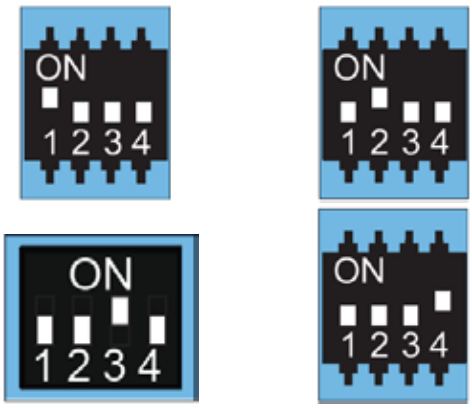
The standard setup (without extra memory) can memorize up to 40 commands, and each channel utilizes 10 of those. If all 4 channels are used you can have up to 10 remotes.

Dip Switches

Dip switch 3 must be turned on for sliding door applications.



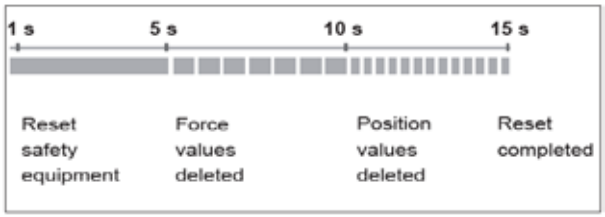
Dip Switch	ON	OFF
1	Automatic closing activated	Automatic closing deactivated
2	Partial opening active	Illumination function
3	Side-opening sectional door	Sectional door
4	Retractable door	Sectional door

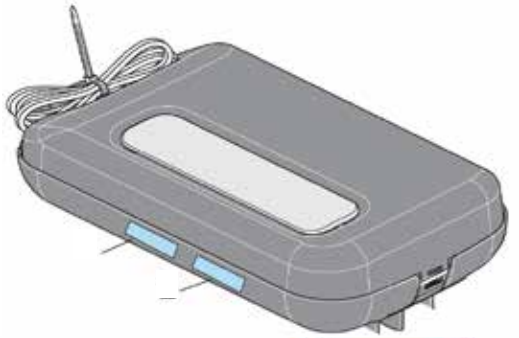


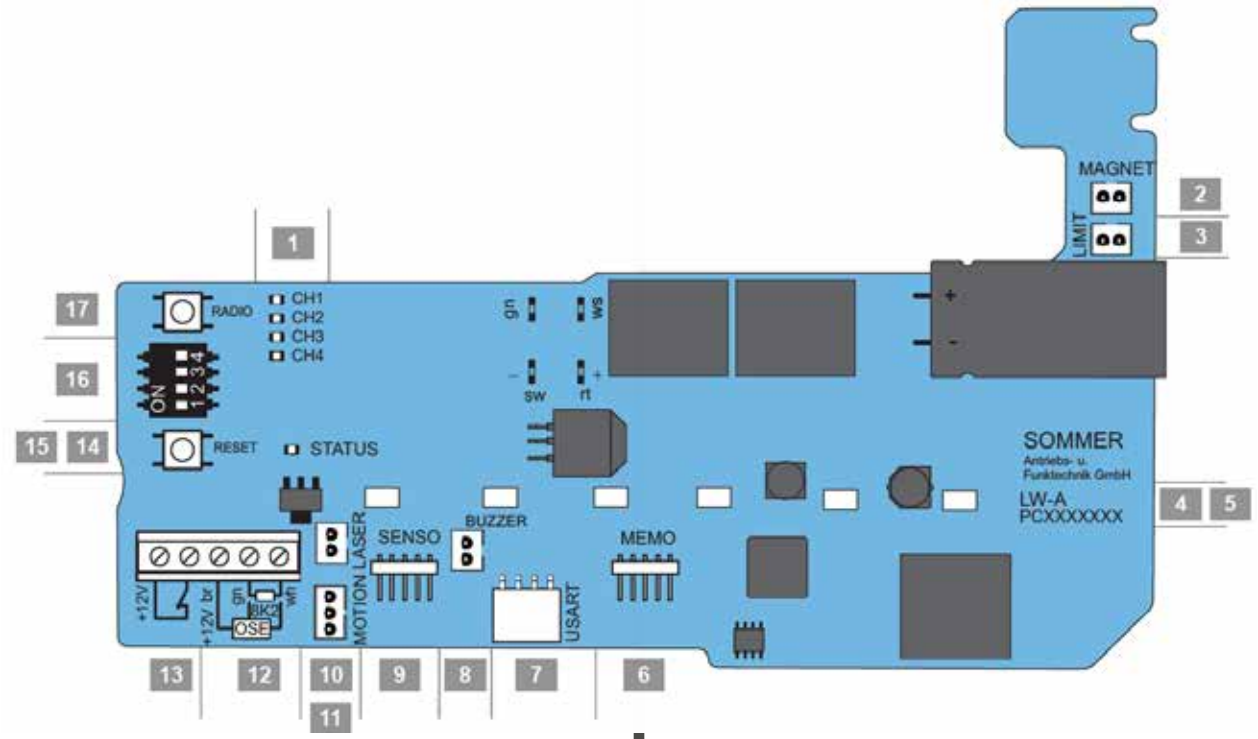
Reset Button

The length of time the reset button is pressed will define what is reset see below options.

- 1-2 seconds will reset the safety devices
- 5 seconds the force values will be deleted
- 10 seconds the end position (or close) will be deleted
- 30 seconds will be full factory reset





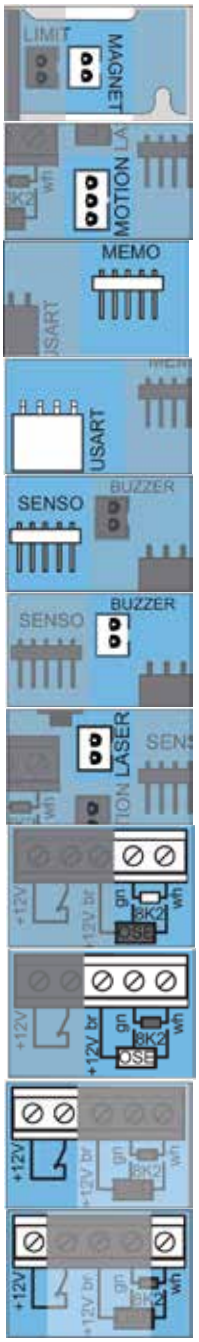


Control Board Number	Connection Options
1	LED CH 1-4 (red) display for radio channel
2	Magnetic slot (green) lock terminal
3	Limit switch terminal (OPEN) limit (blue)
4	PCB label
5	LEDs opener lighting
6	MEMO slot MEMO terminal
7	USART slot interface

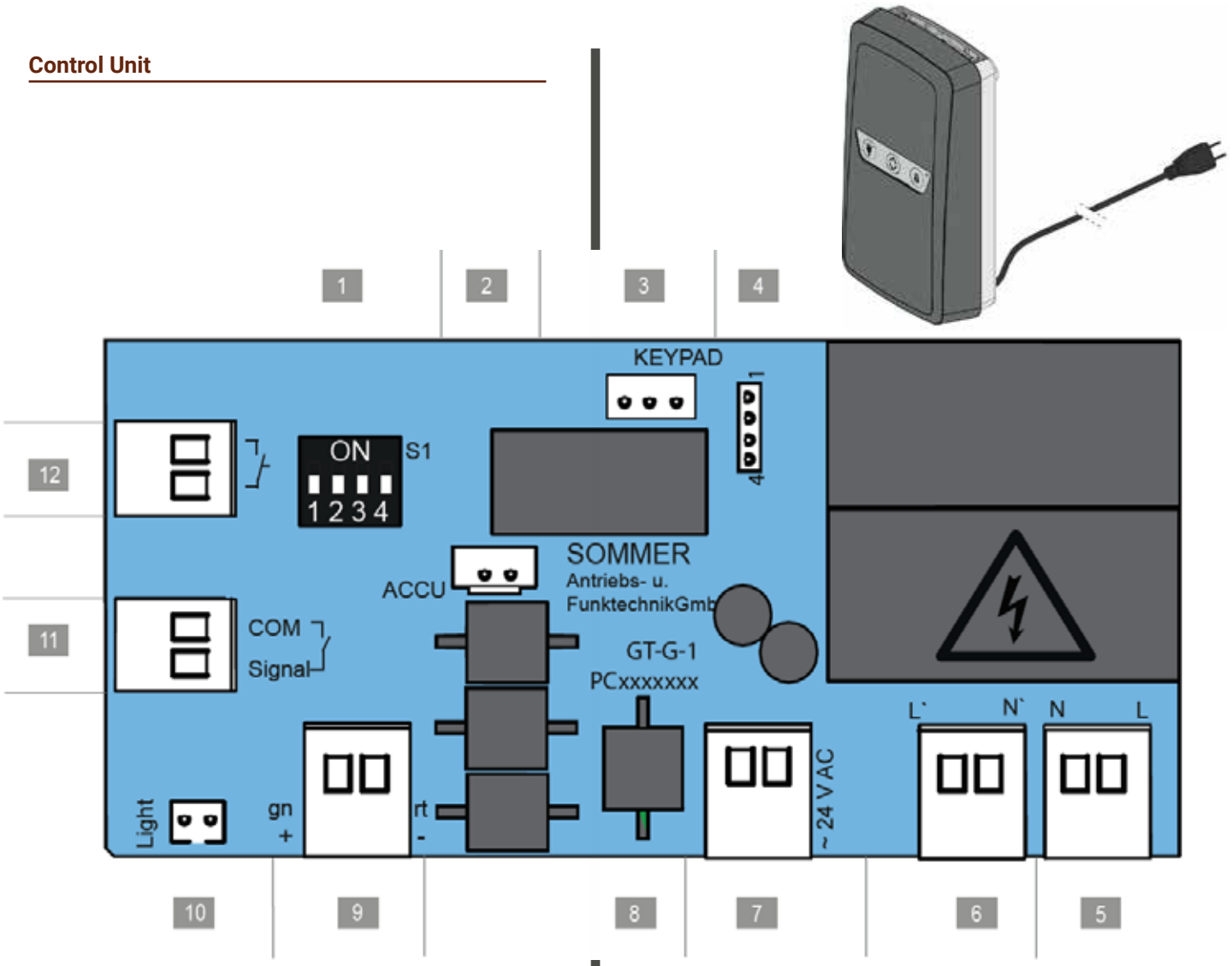
8	BUZZER slot (black) Warning or alarm buzzer terminal
9	SENSO slot SENSO terminal
10	LASER slot (white) Parking position laser sensor terminal
11	Terminal for safety contact strip 8k2/ OSE
12	Terminal for wicket door contact potential free
13	Status LED (green)
14	Reset button (green)
15	DIP switches
16	Radio button (red)

Connection options for Motor Carriage

Function/application example
Magnetic slot (green), lock terminal, Locking magnet
MOTION slot (white) terminal for movement sensor 3-pin
MEMO slot, Memo terminal, memory expansion for 450 transmitter commands
USART slot, terminal e.g. module, home automation
SENSO slot, terminal for SENSO, humidity sensor
BUZZER slot (black), terminal for warning/ alarm buzzer
LASER slot (white), terminal for parking position sensor
Safety contact strip 8k2 terminal
OSE safety contact strip terminal, +12V = br, OSE = gn, GND = wh
Wicket door fuse terminal, contact command, (12V/10mA) normally closed contact, potential free
Output 12V/DC, max 100mA, +12 V, GND = WH, power supply for optional accessories, finger scanner or external lighting



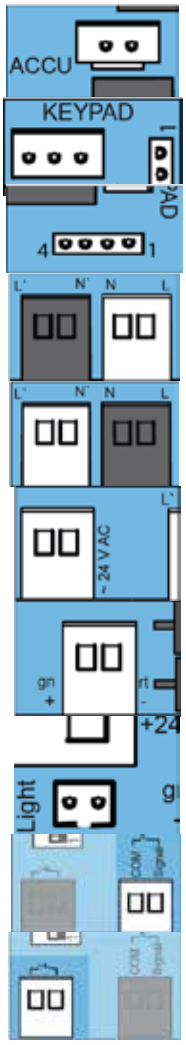
Control Unit



Control Board Number	Connection Options
1	DIP switches
2	ACCU slot Terminal for battery pack
3	Keypad (black) Terminal for button connector cable of the wall control unit
4	Terminal for relay
5	2-pin Terminal power supply 120 V AC 50/60 hz

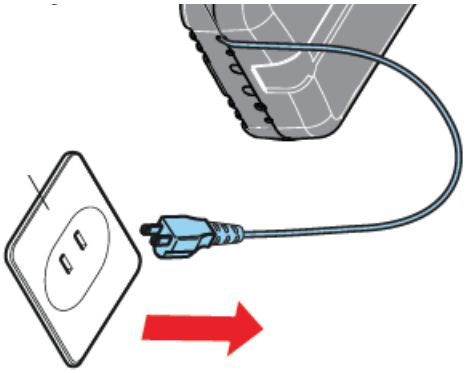
6	2-pin Terminal Transformer primary side 120 V AC 50/60 Hz
7	2-pin Terminal 24 V AC Transformer secondary side
8	PCB label
9	2-pin Terminal Chain and Track 24 V AC
10	Light slot (white) Terminal for Lumi+ supplementary lighting
11	2-pin Terminal Safety Sensors
12	2-pin Terminal wall station or wall button

Function Example
Battery slot, ACCU Terminal for battery pack
Keypad (black) Terminal for button connector cable of the wall control unit (only for type pro +)
Terminal for relay, switching capacity max 5 A/120 V AC max: 5 A/24 V DC
2-pin Terminal power supply 120 V AC 50/60 hz
2-pin Terminal Transformer primary side 120 V AC 50/60 Hz
2-pin Terminal 24 V AC Transformer secondary side
2-pin Terminal Chain and Track 24 V AC
Light slot (white) Terminal for Lumi+ supplementary lighting
2-pin Terminal Safety Sensors any polarity
2-pin Terminal wall station or wall button potential free

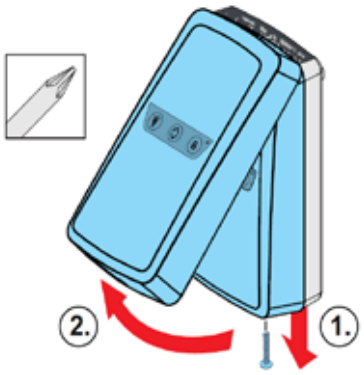


Deinstalling the Control Unit Cover

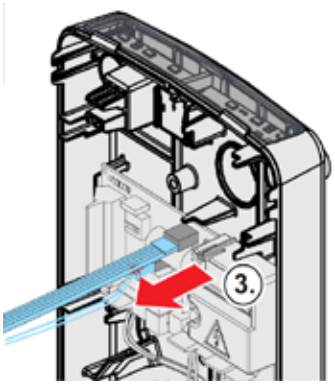
1. Disconnect the opener from the main power supply



2. Loosen the screw on the control unit cover and remove the cover gently upwards



3. Unplug the connection cable for the membrane keypad from the wall control unit



Note: If a battery pack is used, unscrew the cover carefully. Disconnect the battery pack plug from the control board. Remove the cover with the disconnected battery pack.

Reinstalling Control Unit Cover

After working on the ceiling control unit replace the cover in reverse order. Connect the opener to the main power supply

System Overview

- The control unit housing must be mounted at least 5ft from the ground, within 16.4ft of the open end of the rail and no more than 5.7ft (69”) from an outlet. These distances cannot be extended
- **The wire connector end of the track is always the open end of the track**
- The red limit stop is located on the opening end of the rail (same as the wire connector)
- The boomerang arm is pointing towards the closing end of the rail
- The closing end of the track has a programmable end stop
- If your opening is smaller than our standard 9ft kit, you do not need to cut it down to size unless you lack the available space. If you do cut it down then cut the rail first, take the cut piece and use it as your guide for shortening the chain
- It is standard to have the sliding hardware on the outside of the building with the opener on the inside. If you happen to have the sliding hardware on the inside as well, then it is important to make sure the opener will clear (not interfere) the sliding barn door hardware. To do this you can mount the opener on the ceiling or build a bump out on the side wall for clearance

Single Door Applications

You can utilize either the side mount or ceiling mount option, and choose whichever is better for your specific application. This opener is easily adapted for unique situations and it is up to the installer to find the correct mounting location. It is important to make sure the door bracket is installed in a location that helps the door clear the opening as much as possible, and that the rail is mounted in a spot that allows the motor to travel to the necessary locations.

- The rail must be offset from the opening towards the open end. This will allow the motor to travel past the opening which is vital for getting the door as close to clearing the opening as possible
- The amount of offset can be measured from the end of the rail to the where the door bracket attaches to the boomerang arm. The angle of the boomerang arm changes (which changes the measurement) depending on your application (like the height it is mounted above opening)

Biparting Doors

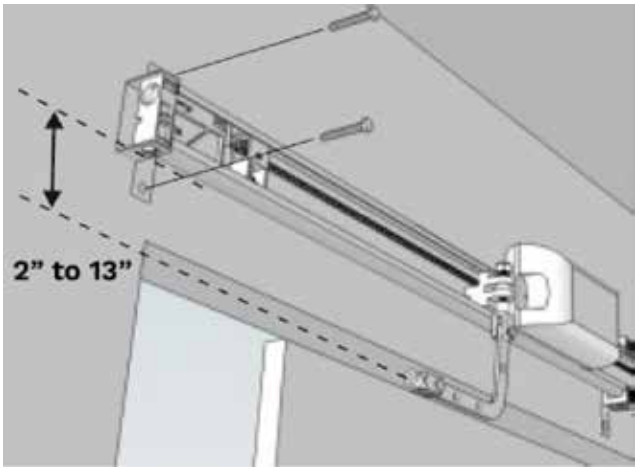
You can utilize either the side mount or ceiling mount option, and choose whichever is better for your specific application. This opener is easily adapted for unique situations and it is up to the installer to find the correct mounting location. It is important to make sure the door brackets are installed in a location that helps the doors clear the opening as much as possible, and that the rail is mounted in a spot that allows the motors to travel to the necessary locations.

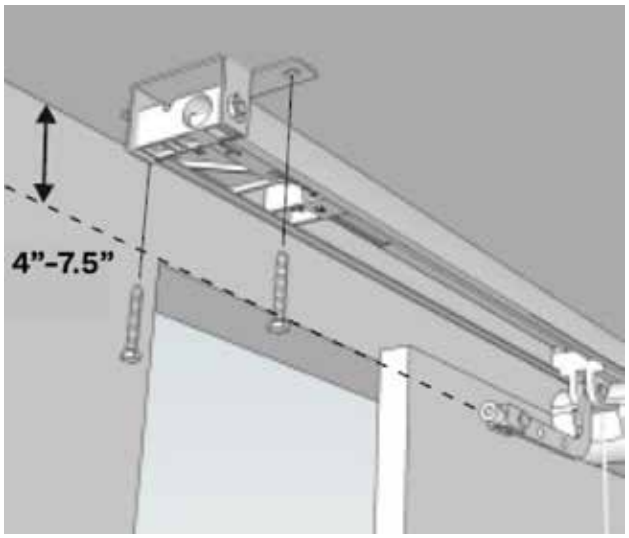
- This is essentially like mounting two single door applications next to each other. The rails are offset towards the open end allowing the doors to clear the opening as much as possible
- Most likely the opener rails will not touch in the middle because of the offset (depending on your opening size). The rail must be offset to the opening towards the open end. This will allow the motor to travel past the opening which is vital for getting the doors as close to clearing the opening as possible
- The amount of offset can be measured from the end of the rail to the where the door bracket attaches to the boomerang arm. The angle of the boomerang arm changes (which changes the measurement) depending on your application (like the height it is mounted above opening)

Bypassing Doors

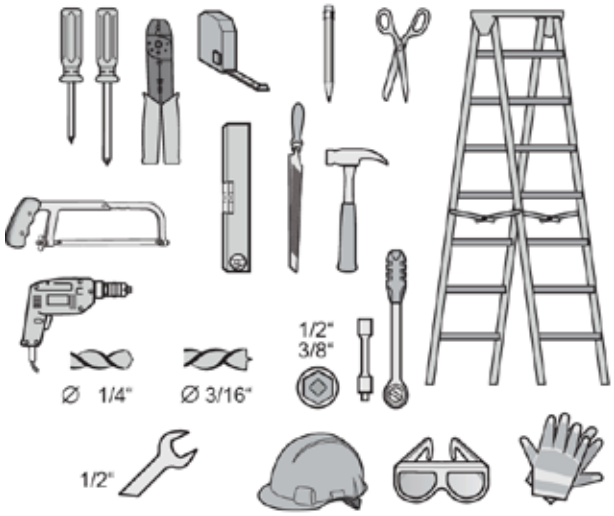
You can utilize either the side mount or ceiling mount option, and choose whichever is better for your specific application. This opener is easily adapted for unique situations and it is up to the installer to find the correct mounting location. It is important to make sure the door bracket is installed in a location that helps the door clear the opening as much as possible, and that the rail is mounted in a spot that allows the motors to travel to the necessary locations. The most common bypass scenario has two doors staying within the opening, and one door moves at a time. This opener is not suited to allow both doors to operate at the same time or when there are applications where the doors clear the opening. For applications where the doors are collecting (cascading) you would only need a single motor to operate. For any clarification or questions please call customer service at 1-253-853-3815

- Opposite of the other two applications, the open end of the rail is actually in the center of the opening instead of the outside. This means the rails must overlap in the center so the doors clear their half of the opening as much as possible
- The amount of offset depends on your application. Measure from the end of the rail to the where the door bracket attaches to the boomerang arm. The angle of the boomerang arm changes (which changes the measurement) depending on your application (like the height it is mounted above opening)
- If you do have the available space you can mount one opener on the side wall and one on the ceiling.
- It is very important to not allow both operators to function at the same time, otherwise they will bind and possibly cause damage. It is vital that the wicket switches are installed for safety purposes





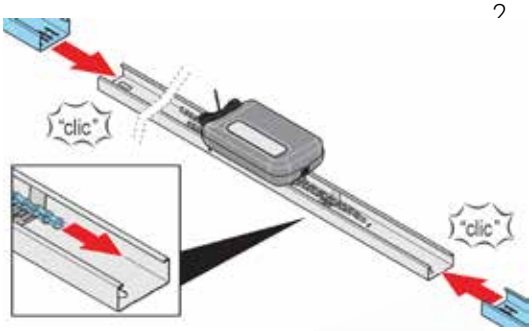
Installation Instructions



- Wood drill 3/16”
- Concrete drill 1/4”
- Wrench 1/2” and 3/8”
- Ratchet driver 1/2” and 3/8”

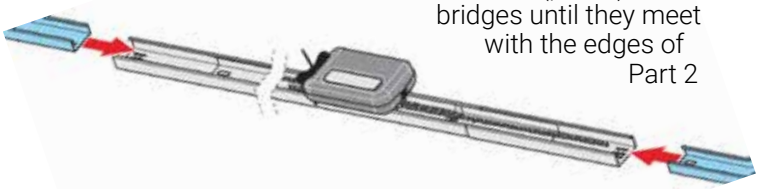
Connecting the rails

1. Take your rails and parts boxes out and set aside



Slide the bridges (part 3) onto each end of Part 2 (track with motor carriage)

3. Proceed to slide other rails (part 4) into the bridges until they meet with the edges of Part 2

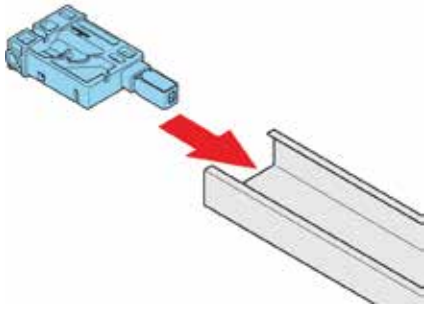


4. Stretch the chain across the length of the track

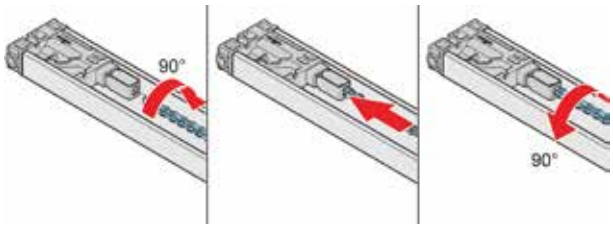
Chain Tensioner

Note: The chain tensioner goes on closing end, while as the wire connector is for the open end.

1. Slide chain tensioner (part 5) into the opening end of the track



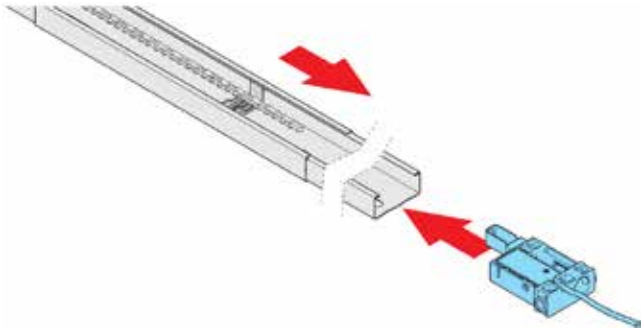
2. Stretch the chain
3. Rotate it 90 degrees so it slides into the chain holder



4. Make sure the tensioner is loosened before attaching chain
5. Rotate the chain back so it locks into place

Wire Connector

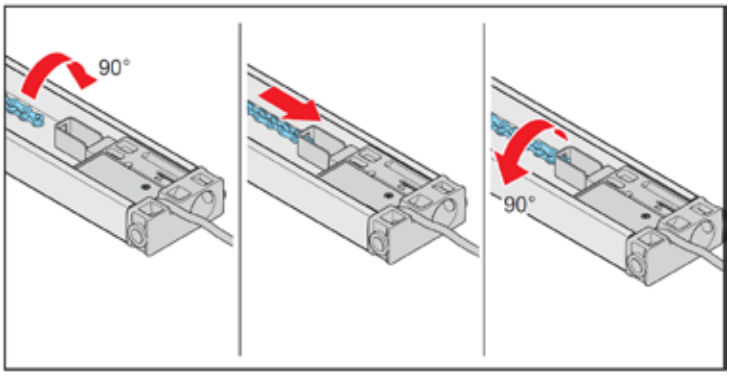
1. Slide wire connector into end of rail behind red limit stop (open end)



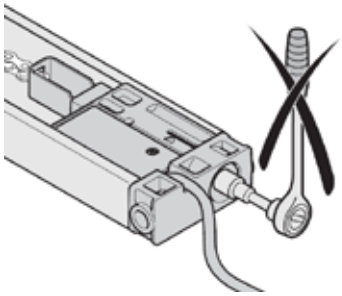
2. Pull chain across the rail and lay chain over the red limit stop until it reaches the wire connector
3. Rotate the chain 90 degrees and insert into

chain holder of wire connector

4. Rotate back 90 degrees

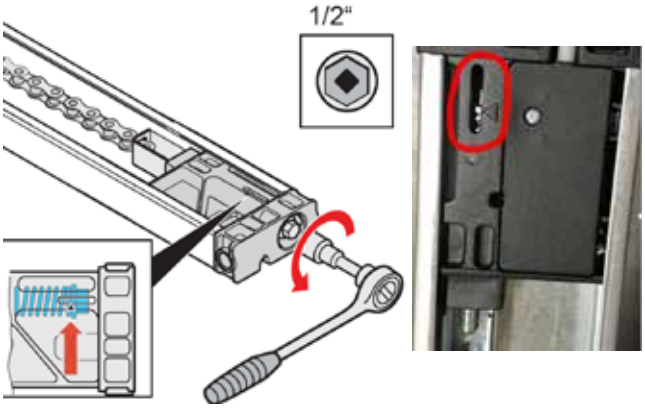


Note: Do not tighten the chain on wire connector.



Tightening the Chain

1. Tighten the tensioner bolt with socket (1/2") until the washer hits the arrow (or triangle)



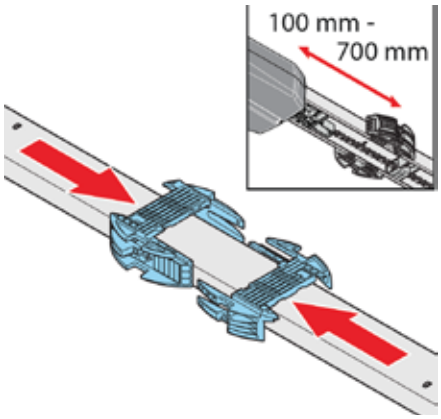
Note: For chain isolator installs (part 2.1) please watch video: **https://youtu.be/gZoR_yZjNsc**

Ceiling Bracket

1. To install the ceiling bracket (part 6) take the ¾" L bracket and insert the bolts (part 7) through the bracket where the hollowed-out notch is on each side (this is what mounts it to the ceiling)

2. **Note:** You may have additional ceiling brackets depending on your application.

3. Place one side against the top of the rail, and the other at the bottom facing each other



4. Slide the pieces together so they interlock

5. To tighten the bolts first hand tighten them and then with a socket only 1-2 more revolutions

Important Notes:

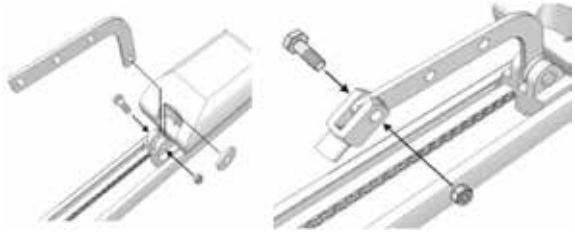
- It is important to not overtighten
- Do not force the pieces together, they should interlock easily. Make sure they are firmly pressed against rail and the brackets are aligned
- For applications where you must drop the opener down from the ceiling we provide an option for a secondary ceiling bracket for additional support. If you need an additional bracket please call to place an order

Attaching the Boomerang Arm

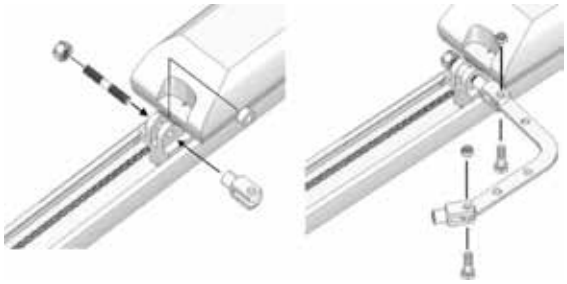
1. Locate the arm attachment location on the motor carriage (this should be facing the closing direction of the doors)

2. Insert boomerang arm and secure with provided fasteners from the additional parts box

For Ceiling Mount Applications



For Side-wall applications



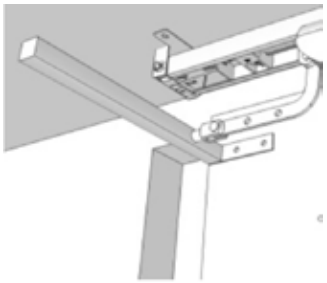
Header Brackets and Mounting

- Attachment must be to adequate framing or strapping
- Drywall only attachment is not permitted
- The track must not come into contact with the door's supporting sliding track at any time
- The curved brace may be rotated for maximum flexibility in the install
- When sliding hardware is on the same side as the opener the opener must be ceiling mounted or mounted on a bump out ledger to gain clearance over the sliding hardware.

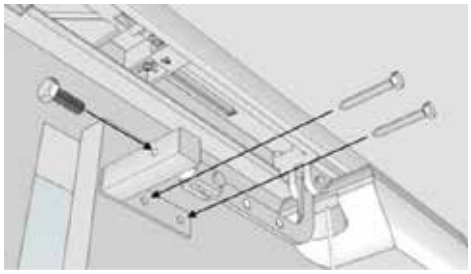
1. Place the rail into each header bracket over the chain tensioner or wire connector
2. Insert pin into the header bracket and tensioner with the holes lined up
3. Secure with c-clips

Ataching the Door Bracket

1. Position door bracket in the desired location on the door
2. Swivel the boomerang arm and the u-fitting assembly to determine the best placement



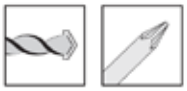
3. Mark the location of the brace's two mounting holes
4. Cut the door bracket to length (if desired) and plug the end with the cap provided
5. Install the bracket onto the door with the hex head lag screws provided
6. Pre-drill through the bracket where the U-Fitting meets it (this position will change depending on application)
7. Securely fasten the u-fitting to the bracket with



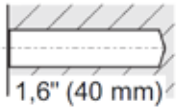
a 1" x ¼" hex head bolt and nut

Mounting the Control Unit

The control unit housing must be mounted at least 5ft from the ground, within 16.4ft of the open end of the rail and no more than 5.7ft (69") from an outlet. These distances cannot be extended.



1. Loosen the screw on the cover of the control unit and gently remove the cover by lifting upwards

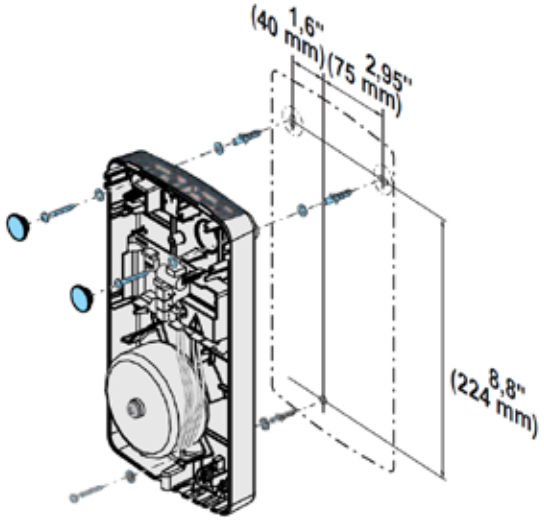


2. Unplug the connection cable for the membrane keypad from the control unit

- See page 11 for instructions on removing the cover

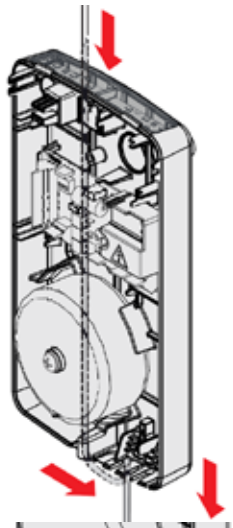
3. Transfer the mounting points to the wall by drilling two pilot holes 4.55" (4-11/20") apart

- 1/4" pilot holes that are 1.6" deep (40mm)

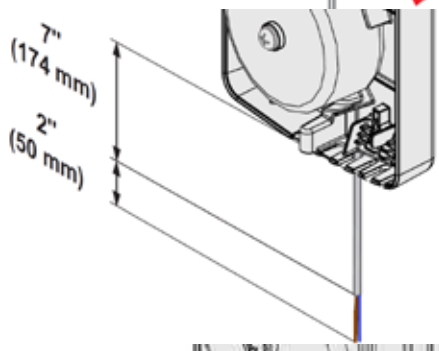


Note: You may also create a template using paper and tracing the back of the control unit for hole placement.

4. Drill a 3rd pilot hole (1/4" drill bit) 1.6" (1-3/5") over and 8.8" (8-4/5") down from first hole on left
5. Insert wall plugs into pilot holes
6. Secure the control unit with two top screws and two washers
7. Align the unit (check with level) and firmly tighten screws with all three screws
8. Press the sealing plugs into the indentation to seal the housing
9. Route the wire connector cable and secure to the wall to prevent displacement

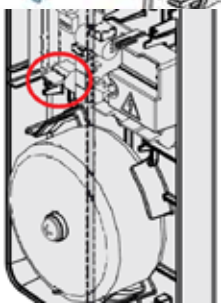


10. Lay the cable along the cable conduit along the back side of the control unit and up to the cable inlet

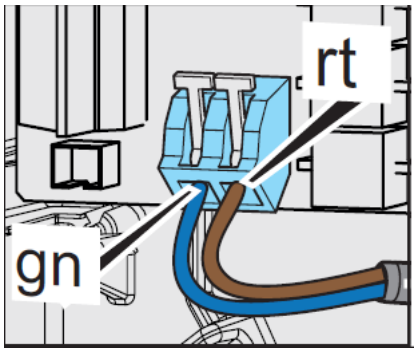


11. Feed the cable through the inlet

12. Shorten the cable so that no less than 7" in length remains in control unit, and uncover the last 2" of cable
13. Strip the wires
14. Remove the strain relief
15. Route the wires along the transformer to the gn/rt terminal



16. Put the strain relief back and tighten to prevent wire displacement
17. Connect the blue wire to "gn" terminal
18. Connect the brown wire to "rt" terminal



19. Close the housing in reverse order

Wicket Switch Installation

Note: This is for bypassing applications only.

The wicket switch door safety device prevents both doors from operating at the same time. The black wicket device must be installed so the switch is reliably triggered each time, for example it can engage with the door, door hardware or motor itself.

- The wicket switches are wired into the opposite motor carriage. For example the wicket installed for the left door is wired into the right motor carriage
- It is up to the installer to find a proper way to engage the switch
- It is up to the installer to find a safe and secure way to run the wicket switch cable since the motor carriages move. The recommended way is to secure the cable to the top of the door so it will move with the door/motor and be routed up the arm to the motor (this prevents loose hanging cables and zip ties are an easy way to secure wire)
- The contact command is at 12 V/10 mA. The normally closed contact is potential-neutral
- Wicket switch video:https://www.youtube.com/watch?v=PXyPTn9XNl0

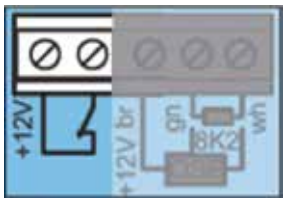
1. Locate a reliable trigger point for each door

- Mount the wicket switch

2. Route the wire above the opening to the opposite motor carriage

- Take special care that the wire will not get pinched or bind

3. Wire in the wicket switch to the wicket door fuse terminal, see graphic

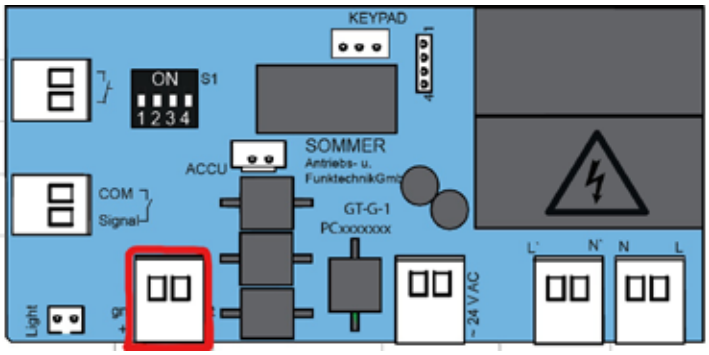


- It is on the bottom left of the board, refer to page 8 for more information

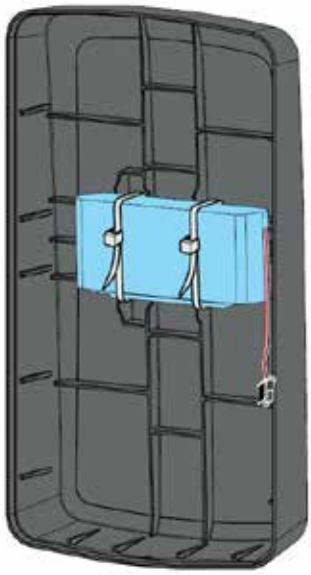
Inserting ACCU (battery backup)

The battery pack can help with approximately 5 cycles within 12 hours of a power failure.

1. Make sure the unit is unplugged
2. Loosen the screw on the control unit cover and gently lift upwards to remove cover
3. Unplug the connection cable for the membrane keypad from the unit
4. Place the battery pack in the control unit cover and fasten with the two cable binders
5. Plug the battery pack plug into the ACCU battery slot on the control board



6. Set DIP switch 3 to “ON” on the control unit only
7. Plug the connection cable for the membrane keyboard back into the circuit board
8. Place control unit cover back
9. Screw on cover



Emergency Release Cord

1. Adjust the emergency release chord to the length you need. See below instructions

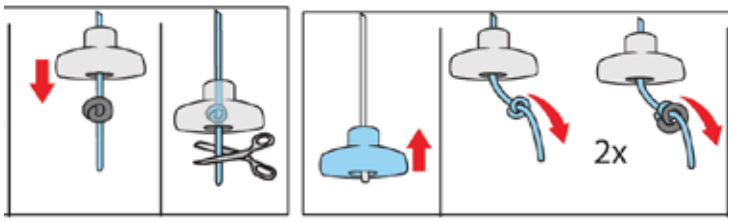


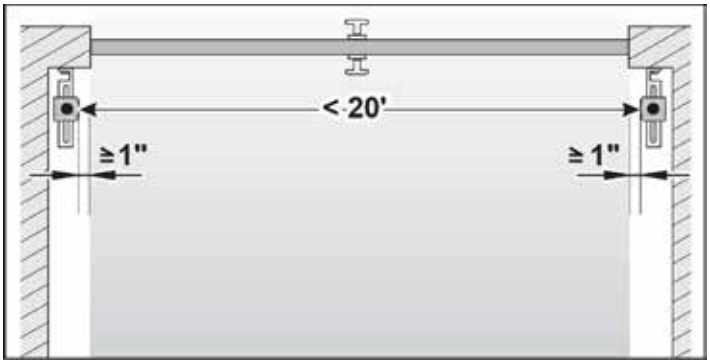
Photo Eyes

The 2-wire safety sensors must be connected to the Control Housing Unit. Initial Operation is not possible without the safety sensors. The photo eyes are automatically detected during initial operation.

- If you want to use your own wires you can, be sure to use 22 gauge.
- The photo eyes are labeled with colored stickers.
- The green is the sender
- The red is the receiver

Positioning of the Photo Eyes

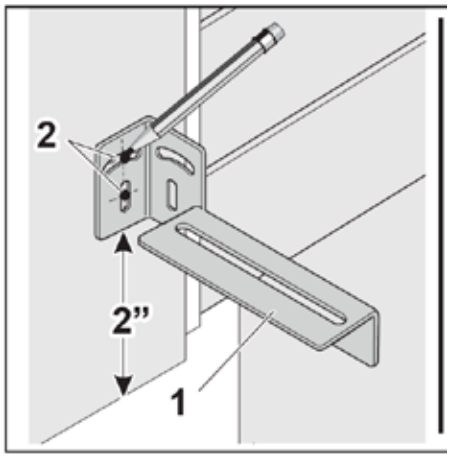
- The lights should be solid when they are properly connected, if they are blinking it means they have power but are not aligned properly.



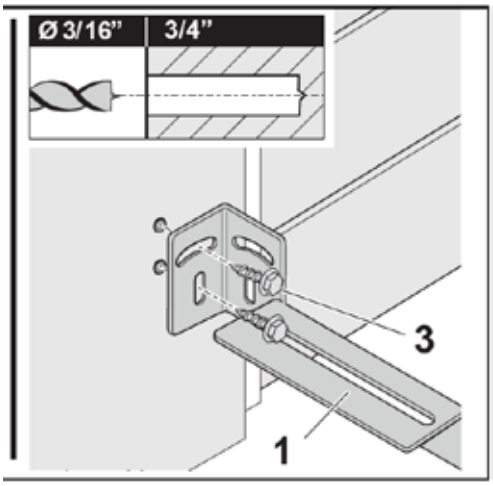
- It is very important that the red is not in the direct sunlight as it will detect the beam from the other photo eye.
- Do not mount the safety sensors in the path of the moving garage door. Mount at least 1" away from it
- The distance between the transmitter and receiver of the safety sensors set can range up to a maximum of 20'. If you have a runtime of over 20' (for a single door) please contact customer service
- The distance from the floor must be selected so that an obstacle of 6" high can be reliably detected
- This corresponds to a distance of 2" from the bottom edge of the installation bracket to the floor
- Mount one safety sensor to the left and one to the right of the door.
- It does not matter which safety sensor is installed on the left or on the right side

Installation

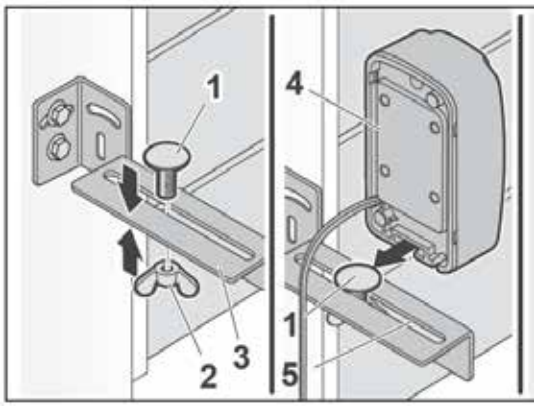
1. Look for a suitable installation position for the mounting bracket (1) inside the garage to the left and the right of the door



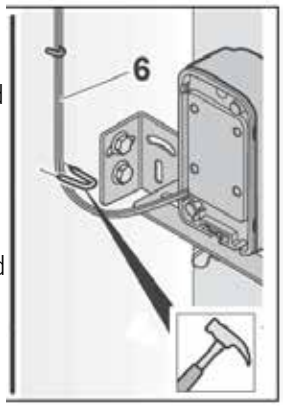
2. Hold the mounting bracket (1) to the wall and mark the mounting points
- The distance from the bottom edge of the installation bracket to the floor is 2"
3. The height and angle of the bracket can be adjusted through the slotted holes (2)
- Drill holes for the screws. (3)
- Screw in two screws (3)



4. Pre-attach the carriage bolt M6 (1) and the wing nut M6 (2) to the mounting bracket (3)



5. Slide the transmitter (4) over the head of the carriage bolt M6 (1) and tighten the wing nut M6 (2)



Note: The position of the safety sensors can be adjusted through the slotted holes (5).

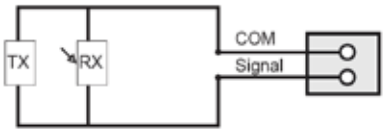
6. Mount the receiver on the opposite side in the

same way

7. Run the two sets of wires (6) from the safety sensors to the ceiling control unit

- Use staples to keep wires in place

8. Connect to control unit



Autoset Programming

Red Limit Stop

1. Disengage the motor

- Pull the red chord (emergency release) until it disengages. This will allow you to move the door freely to see where the door needs to stop

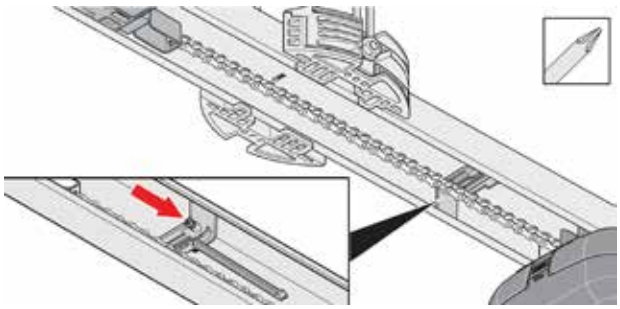
2. Place the doors in open position

3. Position the red stop accordingly

- Tighten the limit back down

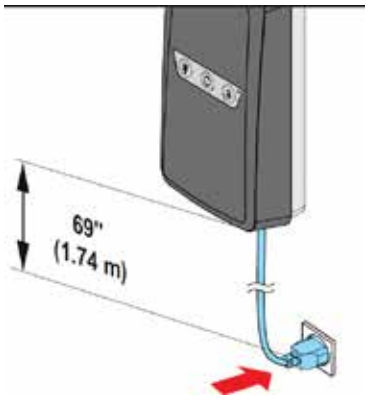
4. Place the doors in the halfway open position

- Re-engage the motor by pulling the red emergency release chord



Powering Up the Unit

Do not plug the control unit into the outlet until the installation is complete to prevent damage to the opener. The outlet may not exceed 69” away from the control unit.



Autoset

The operator will automatically adjust the programmed close limit one inch shorter than

initially set. To combat this you must disenage the motor and add an extra inch to the programmed limit stop. See below steps 7-9.

Make sure dip switch 3 is turned on at the motor carriage before proceeding and plug in the unit.

Note: It is helpful to keep the motor carriage cover off during autoset.

1. Use the remote that was packed with the opener (main box) as it is pre-programmed to the opener for your convenience

Note: Only the 1st button is used on the remote for programming purposes.

2. Plug the motor into your power outlet

- The status light on the control board should blink rapidly

3. Press 1st button on the remote until the motor carriage starts to move

- Release quickly
- The motor carriage will move backward into the red limit stop and then move forwards to the close position

4. To set the close limit you must program the position for the opener to learn with your remote

Note: The motors are very strong and will try to pull through the resistance while it is in learning mode and will possibly result in bending/breaking hardware.

- Push 1st button on the remote to stop the door right before the sliding hardware hits the end stop

Caution! We do not recommend using yourself or any other persons to stop the door at the closing limit as this may result in injury.

5. Hold down the 1st button on the remote to activate the hop function

- The opener will make a small jump forward
- Release quickly

6. Repeat until you reach the desired stop location
7. Pull the emergency release cord to disengage the motor
8. Activate the hop function **four** more times, the motor will not move

- Each hop equals a 1/4" jump and you need a total of an inch

9. Pull emergency cord to engage the motor
10. Press the 1st button to activate the opener to return the open limit

- The opener will continue the autoset (learn mode) on its own

11. The motor carriage will go back and forth across the rail between the limits so it can learn the push force required to move your doors

- During learn mode the LED lights will be flashing

12. As soon as the programming is complete the light will remain solid and is then ready for use

Warning! It is very important to not interrupt or stop the opener prematurely during its programming.

Note: The number of repetitions will vary based on your door. The heavier the doors are the more passes are required for the opener.

Alternative Program Options

- An alternate solution for helping set the close limit is to use something like 2x4 wood planks or other form of sturdy brace to stop the door at the right location. This will absorb the force and take the pressure off the hardware. This may not work for all install applications
- If the disengaging of the motor and using the hop function does not work for the close limit then press the reset button for 10 seconds to delete closing limit. Turn dip 3 OFF and then dip 4 ON instead. Go through autoset program again and skip the steps 7-9 (this will not allow operator to adjust the closing limit an inch short). **Note:** this will cause the operator to run slowly

Troubleshooting

1. Opener will not operate

- If the motor does not operate or power up at all make sure the chain is not loose and touching the rail as this will cause a short in the system
- Photo eyes are commonly incorrectly wired into the orange terminal, the LED lights on the photo eyes will light up but the opener will not operate
- Do not grease/lubricate the chain or rail. This will gunk up the system and will disrupt the flow

of electricity

- If you are getting power to the control unit but the nothing will work (and there may also be a buzzing noise from the transformer) check the fuse located next to the transformer. It is located in a black rubber junction in the wiring
- If you are getting intermittent operation with the opener check to make sure nothing is between the rail and chain. For example if a scew or other object touches it will cause a short

2. Door autoset process does not stop

- If the motor continuously goes back and forth in autoset process your door is most likely traveling less than 4ft. The motor requires a minimum 4ft of travel to properly complete the autoset process
- Hold the resett button to full factory reset (30 seconds). Turn dip 3 OFF and turn dip 4 ON. This will correct the issue but motor will run at slower speed. Redo autoset process

Note: For installation videos look up Roman Troyer's youtube channel and Sommer USA.

After Autoset Completion

Battery Pack (ACCU) Installation

The battery pack is optional except for California residents.

If the battery back has not been installed yet follow instructions on page 18, and if it is installed then complete below steps. Requires 24 hours of charge.

Run a function test (after 12hr of charging):

3. Pull the power plug out of the power outlet

- The opener is now powered by the battery pack

4. Press the button on the transmitter
5. Opener opens or closes the door at reduced speed
6. Plug the unit back into the power plug

Adjusting the Close Limit

If after the autoset you determine you need more closing pressure on the doors then follow below instructions.

1. Press and hold the reset button for 10 seconds

- This will delete limit settings without resetting entire opener

2. Begin autoset process again starting on page 21

- Add in an extra "hop" iwhile programming the close limit

Remotes

Refer to page 39 in the Sommer manual for additional programming, and deleting of transmitters information.

Preprogrammed Remote Functions

1. Hold until the unit moves

- Do not continue to press the button or it will go into “dead man” mode

2. Hop function

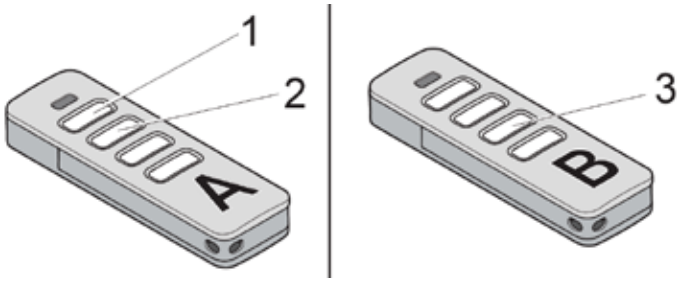
- Hold button until the unit jumps, continue until it reaches the location that is desired

3. Clone additional remotes (remotes must be identical model)

Programming Additional Remotes

To do this you must be in range of the opener.

1. Press and hold down the second button on your currently working



- At the same time press and hold the first button together (with the second button) for 3-5 seconds

- The LED light on the motor will flash

2. Release the two buttons

3. This puts it in learn mode and will remain for 30 seconds

4. Press any button on your new remote to clone it

5. The opener light will remain steady

6. Second remote is programmed

SOMweb

The SOMweb tool allows you to control your operators (up to 10) from the convenience of your smartphone, tablet or computer via app or web browser. Functions include:

- Open and close the door
- Check door status
- Real-time notifications
- Supports voice control via Siri and Google
- HomeKit technology alllows use of Apple Home App

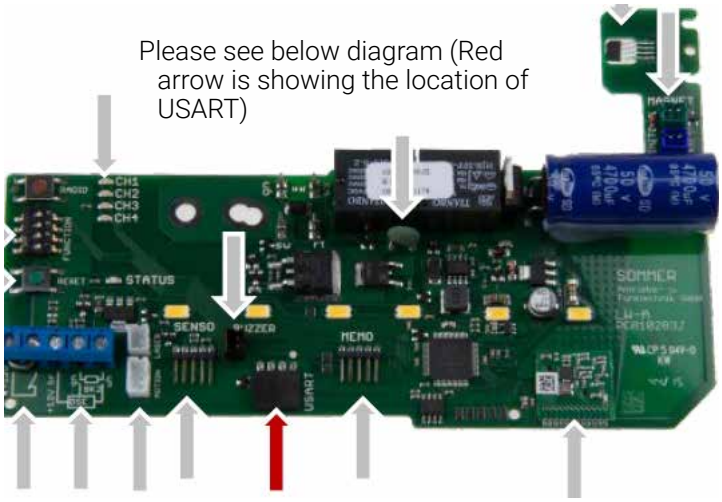
With IFTT platform (additional) you can utilize Alexa voice control, and creation of events/scenarios. Optional expansion for up to 50 users and video monitoring.

Homelink

See page 43 of Sommer manual for programming information.

Note: While programming homelink to the vehicle it will go through a learn cycle at least 3-4 times.

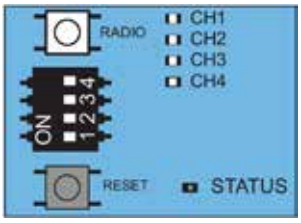
- Not compatible with car2u or Tesla
- Homelink is on a 310 frequency
- Homelink will be installed into the first four prongs on the USART



Note: Homelink installation video is available on YouTube. Just search "HomeLink training for Sommer garage door openers".

Homelink Programming

1. For the first time programming press and hold all 3 Homelink buttons for 30 seconds
2. Release only when the homelink indicator light turns off
3. To ensure Homelink is in training mode press and hold each of the buttons individually
4. Indicator light blinks rapidly for 2 seconds and then turns to continuous light
5. At the carriage locate the radio button
6. Press and release the radio button
7. LED light is activated
8. Return the carriage and firmly press and hold the desired Homelink button to be programmed for 2 seconds and release



9. Repeat the press/hold/release sequence a second time to activate the door
10. You may need to repeat this sequence for pressing radio button on the motor carriage and then pressing the Homelink button in the vehicle up to 3 times to complete the training process
11. Homelink should now activate the rolling code equipped opener

Battery Pack

- Battery pack can supply power during power failure
- Battery pack can be operated for approx. 5 cycles in 12 hours

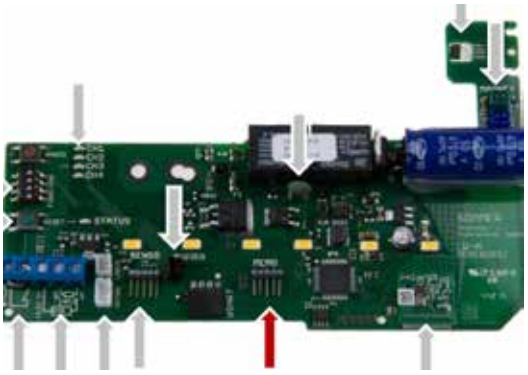
Note: It is recommended to have a qualified electrician to install, test and replace battery pack

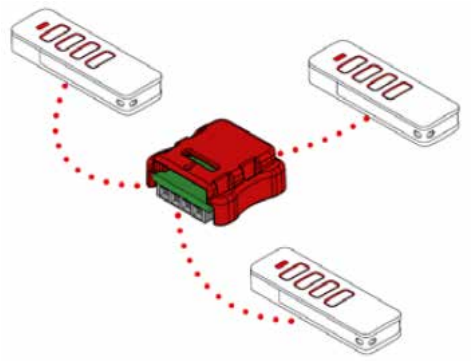
- Battery pack contains charging and monitoring hardware

Please see below diagram (Red arrow is showing the location of ACCU for install)

MEMO

- Memory extension from 40 commands up to 450 commands
- Easy to install and will work without programming (plug and play)
- When plugged in the MEMO transfers data from internal memory to the MEMO and stores information
- The MEMO must be remained plugged in. At any time the data can be transferred back to the internal memory or deleted





SOMLINK

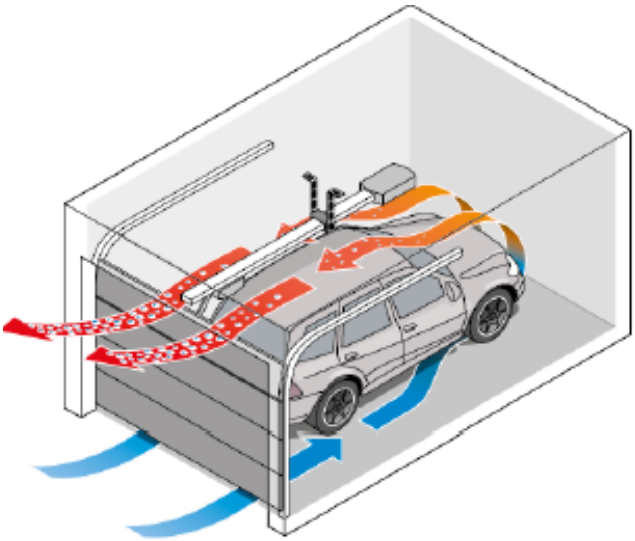
Service tool, for adjusting and viewing parameter settings of the drive. These include force and speed values as well as operating parameters and other convenient functions.

- Integrated Wi-Fi mode
- Integrated web server
- Universal for smartphones/ tablet/laptop
- Talks to the opener via radio signal
- Opener needs to be on channel 1
- Diagnostic help: full history and codes with possible solutions
- Data backup
- Generation, backup and loading of own user profiles on to the drive
- Can program features like humidity venting, power, sensitivity, speed, and lighting.
- Recommended to only be used by qualified installers or technicians

SENSO

Senso is an add on device that monitors humidity levels in the space.

There is a standard factory setting for humidity levels that allows for venting if the humidity rises. The opener will be equipped to open about an inch or less if the humidity reaches 80% and will close again once it goes down to 70%. This setting can be adjusted with our SOMlink device. For additional information please contact us directly at1-253-853-3815.



Outdoor Keypad

Keypad Activation

1. Press and hold the [M] button for about 8 seconds

- Both red and amber LED lights will light up for about 2 seconds

Note: The lower amber light will flash until the upper red light comes on. The keypad is not activated until the red LED illuminates.

Programming Access Code

1. Press the [P] button
2. Press the first button of your access code
3. Press the [P] button
4. Enter entire access code
5. Press the [P] button againt to complete

Programming the Keypad to the Opener

1. Press the radio button on the control board of the motor carriage (this puts it in learn mode)
2. Enter access code immediately on keypad

Changing Access Code

1. Press [P] button
2. Enter existing access code
3. Press [P] button
4. Enter a new access code that uses the first same first digit (longer is OK)
5. Press [P] to complete

Erase Access

1. Press [M] button
2. Press [P] button
3. Enter 9 digit reset code
4. Press [M] button
5. Press [P] button
6. The red and amber LED lights will illuminate for 2 seconds and all codes are cleared

Note: It is important to keep the reset code sticker which includes the 9 digit reset code

- They keypad will transmit the first digit coide from the original code to the opener

Deleting Radio Code

1. Press and hold learn button in opener until LED flashes
2. Press the desired keypad button
3. This will delete the first digit from entry code

Wireless Wall Control

Please see instructions included with the two button wall control station for specifications, assembly and additional information.

1. Press radio button once
2. Press the desired transmitter button

- The LED blinks orange once
- The LED lights up red

3. Radio is now programmed
4. Repeat steps 1 and 2 to program additional buttons

Maintenance and Care

The use of oil or grease on the chain track or carriage will reduce conductivity. This may result in faults due to inadequate electrical contact.

- The use of unsuitable cleaning agents may damage the surface of the opener. Clean with a dry lint-free cloth only

Service the opener regularly as directed below. This ensures safe operation and a long service life of your opener.

How Often?	What?	How?
Once a month	Test the emergency release	See chapter 12.7 in manufacturer's manual
Once a month	Test the obstacle detection	See chapter 11.1 in manufacturer's manual
Once a month	Test the safety sensors	Interrupt the active safety sensors while the door is closing. The doors should stop and open.
Once a year	Test the door and all moving parts	As directed by the door manufacturer
Once a year	check screws on door ceiling and header	Check that screws are tight and tighten if necessary
As needed	chain and track	maintenance free
As needed	Track	See below cleaning instructions
As needed	Cleaning ceiling control unit and carriage housing	See below cleaning instructions

Cleaning

1. Clean track, carriage and control unit housing

- Pull the power plug out of the outlet. If a battery pack has been installed, remove the control unit housing cover and disconnect the battery pack. Check that the power is disconnected.

2. Remove the loose dirt with moist, lint-free cloth

- From the carriage and the control unit housing
- From the track and the inside of the track

3. If applicable install the battery pack in reverse order of removal

Cleaning Photo Eyes

1. Clean the housing reflectors with a moist, lint-free cloth

Please visit our website and download our most up to date manual. Call us directly at 1-253-853-3815 for additional assistance.