Installation Guide Booklet
Thank you for your purchase of the Open Sesame Automatic Door System. This product is designed to be durable and provide years of trouble-free service.

To ensure the Open Sesame Door System lives up to all expectations, it is important to read and comply with this instruction manual. Please store this manual near the door operator for easy access, as it is an important resource for performance and reliable operation.

If there are further questions about the operation or performance of the door system, contact us at (800) 673-6911. Our business hours are 9am - 5pm pacific standard time.

**NOTICE:** Information in this manual is subject to change without notice. You can locate the most current version of this manual on our website at www.opensesamedoor.com.

**WARNING!**

*It is important to read the entire Instructions Manual before beginning installation to allow for correct installation and proper use.*
# Table of Contents

Recommended tools for installation ........................................ 1

What you will find in the box ............................................. 2

Selecting Mounting Format/Left Hand Conversion .............. 3

Electric Strike/M233Clutch Adjustment ......................... 4

Door Mount Instructions (Option A)................................. 5-6

Lintel Mount Instructions (Option B)......................... 7

Parallel Mount Diagram (Option C).......................... 8

Model 133 Diagram ................................................. 9

Model 233 Diagram ............................................... 10

Residential Installation Wiring Diagram ..................... 11

French Door-One Operator Diagram ......................... 12

French Door -Two Operators-Two Strikes Diagram .......... 13

Programming Instructions for Remote Controls

Current 433 MHz units with green (green tipped) antenna .......... 14

Earlier 390 or 315 MHz units with gray or purple antenna ........ 15-16

Troubleshooting ..................................................... 17-18
Recommended Tools for Installation

1. Ladder or Step stool
2. Tape measure
3. Voltmeter (for troubleshooting)
4. Phillips #2 Screwdriver
5. 5/32” or 4mm Allen wrench
6. Wire Cutters
7. Wire Strippers
8. Oscillating Multi Tool (recommended for Strike Installation)
9. Loctite (for arm screw if removed)
10. Drill/Driver with #2 & #3 Phillips Bits
What you will find in the box:

1. Door operator with wiring kit and wall transformer

2. Remote Control(s) – if required

3. Electric Strike(s) & Strike Tester – if required

   - For Electric Strike Installation, refer to separate instructions included with the strike

4. Mounting Screws

   a) 2 Philips self tapping screws 1 ¼”, for mounting arm to metal

   b) 2 Philips #10 – 2” serrated screws for mounting arm to wooden frame or door

   c) 4 Philips #8 – 1 ½” serrated screws for attaching mounting plate to door or frame

   d) Hold-down screws for laying out transformer and strike wiring cables

5. Owners Manual
Selecting the Correct Mounting Format

*All doors displayed are viewed from the inside*

**Option A: Door Mount**
Door Opens Inward
(Left Side Hinges) (Right Side Hinges)

**Option B: Lintel Mount**
Door Opens Outwards
(Left Side Hinges) (Right Side Hinges)

**Option C: Parallel Mount**
Outswing Door + *Want a wider opening angle*
(Left Side Hinges) (Right Side Hinges)

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**Safety Note:** Secure door before starting mounting process to ensure no one tries open the door during installation

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**Left Hand Door Conversion**

Remove color coded wires from color push-down terminals and remove wire cord. Locate the gray transfer tube at lower left corner behind the battery, pinch together colored wires and feed through tube. Reconnect wires as before to color coded terminals. Locate direction slide switch and slide towards hinges.

*Unless specified at the time of ordering, the operator is provided in the setup for Right Hinges. If you have hinges on the Left, you will need to change the direction of the wires. (*LH* on invoice indicates operator is already set up for a Left Hinged door)
Electric Strike  
(Adams Rite Only)

If an electric strike is used, follow the instructions included in the packaging from the electric strike manufacturer to assemble the strike and install it in the door jamb.

To change mode from *Fail Secure* to *Fail Safe* follow instructions in the back of the strike before installing it.

**Strike Settings**

*Fail Safe Mode:* If the strike were to fail, the latch will swing freely.  
*Fail Secure Mode:* If the strike were to fail, the latch will stay locked therefore, a person would be required to turn the door knob to open the door.

Adam Rite 7440 Electric Strikes are provided in the “fail secure” mode which is recommended.

Once the electric strike is installed connect green and yellow wires to the terminal of the electric strike.

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**Clutch Adjustment**  
(Model 233 only)

Adjust force applied to door during manual door opening, as well as powered opening. Can adjust for stronger force, for increased wind resistance for outward opening door, lighter for easier opening if stronger force not needed. Simply adjust Red Ring on clutch. Rotate clockwise (as seen from above where the arm is attached) for increased force, CCW for decreased force. An 1/8th inch drill bit can be used to rotate the ring by placing it in one of the 6 holes along the edge.
Door Mount Install Instructions for Inward opening door
(Page 1 of 2)

**Remove Cover from Operator before beginning installation**

For Model 133 Operators: Mount operator at 3” away from the hinges and mount the arm at 13” from hinges (unless it is used for commercial installation).

For Model 233 Operators: Mount operator at 4” away from the hinges and mount the arm at 13” from hinges.

For Electric Strike Installation refer to separate instructions included with the strike

NOTE: Images are based on Residential Installation (Model 133)

1. Operator will need to be on the top corner closest to the hinges

2. Before beginning, secure door so it does not move during installation and set up your ladder/stool.

3. On the door measure 3” away from the hinges for Model 133 and 4” for Model 233, then create a mark. This is where the operator will need to be positioned. On the door jamb measure 13” and create a mark. This is where the middle of your arm will need to be positioned (surface that arm will be mounted on must be as vertical as possible).

4. Once you have the measurements down, position the operator and screw into position.
5. Line up the arm with marking you did on the door jamb so that the middle of the shoe is position where the mark is, then screw into place. Do NOT mount arm shoe too high above operator because it will cause binding of joints leading to screws falling off.

6. With the door closed, adjust the arm to 90 degrees.

7. After setting up the correct adjustment tighten the arm.

8. Strike Connection: Connect Green and Yellow wires from phone jack to strike. Power Connection: Red & Black cables need to run from phone jack to transformer. Transformer is then plugged in to 120VAC wall outlet.

9. Plug in Strike Tester to RJ-11 phone jack to test electric strike, you should hear a buzzing sound coming from the strike (Do NOT connect any wires to this tester).

10. Connect the operator to the phone jack. Turn unit on and move on to page 9.
Lintel Mount Installation Instructions for outward opening doors

*Remove cover from operator before beginning installation*

Note: For Model 133 Operators: Mount operator at 3” away from the hinges and mount the arm at 13” from hinges (unless it is used for commercial installation). For Model 233 Operators: Mount operator at 4” away from the hinges and mount the arm at 13” from hinges.

After mounting unit, see page 9 and see under the cover for additional instructions.
NOTE: DIRECTION SLIDE SWITCH ON CIRCUIT BOARD MUST BE SLID IN DIRECTION AWAY FROM HINGES

**Remove cover from operator before beginning installation**

Outswing Parallel Mount Configuration

- May need to use a Parallel Mount “L” Bracket to Mount Shoe Arm - Once operator is mounted as shown with arm parallel to the door jamb and the operator, RED DOT and RED SENSOR Should be lined up causing RED LIGHT to come on when the operator is on. (refer to page 9 & 10 for diagram)
Model 133

Sensor “H” (senses the magnet under red dot; make sure it is aligned so it can start activation)

Red dot is where magnet is; needs to be aligned with sensor “H”

Light comes on when clutch is engaged

Light is on when Door is closed

ON/OFF Switch (on top)

Green Light (There is power from transformer)

Test(Blk) Program(Red) Buttons (Press P, 5 times to deactivate any remotes) - Are on top -

Top Circuit Board

24v AC, IN Power from Transformer (Blk/R)

12v DC Strike G(−) Y(+)

Obstruction Sensitivity (Pushes door for a longer time when closing)

Opening Angle (Adjust how wide door opens)

Close Delay (Adjusts amount of time before closing)

Light comes on when door is closing

Light comes on when strike is engaged

Light comes on when door is opening

Light comes on when door is open waiting to close

System should be mounted 3” away from hinge (edge of door)

Arm should be mounted 13” from hinge

12V Lead Acid Gel Cell Battery

Motor

Clutch

Donut

Switch should point towards the hinges EXCEPT with a parallel mount which should point AWAY from hinges (will determine if door opens to the left or right)

Light comes on when door is open waiting to close

Light comes on when door is closing

Light comes on when door is open

Close Delay (Adjusts amount of time before closing)

System should be mounted 3” away from hinge (edge of door)

Arm should be mounted 13” from hinge

12V Lead Acid Gel Cell Battery

Motor

Clutch

Donut

Switch should point towards the hinges EXCEPT with a parallel mount which should point AWAY from hinges (will determine if door opens to the left or right)

Light comes on when door is open waiting to close

Light comes on when door is closing

Light comes on when strike is engaged

Light comes on when door is open

Close Delay (Adjusts amount of time before closing)
Model 233

Sensor “H” (senses the magnet under red dot; make sure it is aligned so it can start activation)

Red dot needs to be aligned with Sensor “H”

Light is on when door is closed

Light comes on when clutch is engaged

ON/OFF Switch (on top)

Green Light (There is power from transformer)

Top Circuit Board

Test (Blk) Program (Red) (Press P, 5 times to deactivate any remotes) - Located on top -

24v AC IN
Power from Transformer (Blk/R)

Terminal Block

Not Applicable for this model

System should be mounted 4” away from hinges (edge of door)
Arm should be mounted 13” from hinges

12V Lead Acid Gel Cell Battery

Motor

Clutch Adjustment (Red Ring)

Clutch

Light comes on when it is open waiting to close

Close Delay (Adjusts amount of time before closing)

Light comes on when strike is engaged

Opening Angle (Adjust how wide door opens)

Auto close jumper bottom 2 = park enabled middle 2 = park disabled

Switch should be towards the hinges EXCEPT with a parallel mount which should point AWAY from hinges (will determine if door opens to the left or right)
RESIDENTIAL INSTALLATION WIRING DIAGRAM USING SUPPLIED WIRING KIT

(for applications without electric strikes, remove green/yellow wires from telephone jack)

**ELECTRIC STRIKE CONNECTION:**
GREEN (+) & YELLOW (−) ON JACK

**WIRE TO BE RAN ON SURFACE, OR IN WALL**

**ELECTRIC STRIKE RECESSED IN JAMB**

**RJ-11 TELEPHONE JACK**
SURFACE MOUNTED
(RECESSED JACK CAN BE USED IF HIDING WIRING)

**POWER CONNECTION:**
RED & BLACK ON JACK
(16-24 VOLTS AC OR DC,
10 VA OR GREATER)

**WIRE TO BE RAN ON SURFACE, OR IN WALL**

**POWER FROM TRANSFORMER**
TRANSFORMER PLUGS INTO 120VAC WALL OUTLET

**NOTE:** AN EXISTING DOORBELL TRANSFORMER MAY BE USED IF THE OUTPUT IS 16 TO 24 VOLTS

For Electric Strike Installation, refer to separate instructions included with the strike!
STRIKE WIRING - FRENCH DOOR
WITH ONE OPERATOR, ONE ELECTRIC STRIKE
(pre-wired kit)

- Green & yellow wire pair
- Telephone cord jumper with plugs
- RJ-11 jack #2
- RJ-11 jack #3
- Green & yellow wire pair
- Fixed door
- Electric strike powered by operator
- Door operator
- Moveable door
- Transformer 24VAC
- No polarity
- Power outlet

Green & yellow wire pair
RJ-11 jack #1
Red & black wire pair

POWER WIRING - DOUBLE DOOR
WITH TWO OPERATORS, TWO ELECTRIC STRIKES

- Door Operator "A" powered by operator "B" connected to black & red terminals in RJ-11 jack.
- Door Operator "B" (typically a Trine 3234 or 3234W) powered by operator "A".

NOTE: If necessary, one transformer can be used to supply power to both units.

24vac transformer

Wall outlet
Remote Control Programming Instructions page 1 of 3
All current 433 MHz units with green (or green tipped) antenna wire

1. Press and release the red program button located on top of the Open Sesame unit (1 second).
2. Within 15 seconds, press and hold the button on the transmitter you wish to use momentarily (1 second), For Touch Pad, touch the pad momentarily. Now your remote is programmed.

Keypad
1. Press and release the red program button located on top of the Open Sesame unit (1 second).
2. Within 15 seconds, enter 1234 (factory default code), 1234 is now programmed into the system.

If you want to change the 4-digit keypad code:
1. Enter ##xxxx, where xxxx is your current 4-digit code (factory default is 1234).
2. Enter your new 4-digit code then,
3. Enter 1##
4. Wait a few seconds
5. Enter **

NOTE: To reset code to factory setting of “1234”, do the following:
1. Disconnect battery
2. While holding down any button, reconnect the battery
3. Continue holding button for 5 seconds.

TO ERASE ALL TRANSMITTER CODES:
1. Press and then release the receiver programming button five times quickly (within 3 sec. time).
2. The light will flash 5 times, indicating that ALL remotes have been erased from the receiver memory.

If you have problems programming, there is a green indicator light that can be observed inside the unit with the cover off, that can be used for troubleshooting. It is on the radio receiver board on back of the operator in the right side.

For programmed transmitters the following applies: The receiver light will flash 5 times, within 2 seconds when a programmed transmitter button has been pressed and released. The receiver light will continue to flash when a transmitter button has been pressed and held down. The receiver light will stop flashing when the transmitter button has been released.

For non-programmed transmitters: The receiver light will blink rapidly (10 times within 2 seconds) when a non-programmed transmitter button is pressed. The receiver light will continue to blink until the non-programmed transmitter button is released.
If the radio receiver light does not flash at all when the remote control button is pushed, the first thing to suspect is a dead battery in the remote control.

NOTE: For assistance programming early Model 233 units with GRAY antenna wire, contact Open Sesame.
Remote Control Programming Instructions page 2 of 3
For earlier model Open Sesame units with gray (390 MHz) or purple antennas (315 MHz)

Programming the LiftMaster 890MAX key chain mini remote:

1. Press and hold the program button on the remote control with a paperclip or safety pin until the LED on the front turns on.

2. Press and release the remote control button you wish to use:
   a) **Purple Antenna**: 2 times
   b) **Gray Antenna**: 4 times

3. To exit program mode, press any remote control button except the one that was just programmed.

4. Press and release the red program button on the Open Sesame.

5. Press the remote control button programmed in step 2 several times until the door opens.

To change the battery: Split the case open (with a screwdriver) Replace the 2032 battery, then snap the case back together.

Programming the LiftMaster 893MAX remote:

1. Press and hold the program button on back until the LED on the front turns on.

2. Press and release the remote control button you wish to use:
   a) 2 times if you have a purple antenna
   b) 4 times if you have a gray antenna

3. To exit program mode, press any button on remote control except the one that was just programmed.

4. Press and release the red program button on the Open Sesame.

5. Press the remote control button programmed in step 2 several times until the door opens.

To change the battery: Split the case open (with a screwdriver), first in the middle, then both ends. Replace the 2032 battery, then snap the case back together.
Remote Control Programming Instructions page 3 of 3

Miscellaneous Remotes for Earlier 390MHz and 315MHz units - gray or purple antenna wires.

If using the LiftMaster 892LT 2-Button Remote:

Note: If using this remote with older Model 100 operators (sold before Sept 2012), do an erase procedure first by holding down the Open Sesame red program button for 10 seconds. This will erase the memory of all programmed remote controls. Old remote controls may not be compatible with this remote control.

The easiest way to program this is with the cover on the Open Sesame off so you can observe the yellow indicator light on the radio receiver circuit board inside. This is the board in the back on the right side (under the Top Board).

1) Remove the battery cover from the remote control and locate the program button (next to the battery).
2) Press the program button on the remote until the light on the remote control turns on.
3) Press and release the red program button on the Open Sesame door operator. The yellow light on the edge of the radio receiver circuit board will turn on and stay lit.
4) Slowly press and release the button on the remote control you want to use repeatedly until the yellow light on the radio receiver board flickers. DO NOT push the remote control button again.
5) Press the program button on the remote control again until the light on the remote turns off.

For the 371L, 377LMM (key-less entry pad), and other older remote controls like the 81LM, 62LM (except above listed 892LT):

1) Locate the red button on top of the door operator and push it momentarily (1 second).
2) Push and hold the button on the remote control for 5 seconds, or enter the 4-digit code and hold the enter button for 5 seconds (do this within 30 seconds of doing step 1. Then release and push the remote control button (or enter button) again and the door should open.

If using a LiftMaster 387LM key-less entry pad for older systems:

1) Press * and # keys together until key-less entry pad stops flashing.
2) Enter the 4-digit code you want to use, press #.
3) Enter “4”, press #. NOTE: This works with other 390MHz non-security plus remotes. If you are using it with 390MHz security plus devices like the 892LT, use the digit “2”, then #.
4) Press and release the red programming button on the Open Sesame door operator.
5) Enter your 4 digit code again and push the 0 key for 4 seconds within 30 seconds of step (4).
6) To test and use, wait until light turns off, enter your 4-digit code and press the 0 key.

NOTE: The 387LM can only be used with one 4-digit code.

If you want to change the code:

1) Enter your old code and press the * key, then enter the new code and press the * key.

NOTE: TO ERASE ALL OLD PROGRAMING, HOLD THE RED BUTTON DOWN FOR 10 SECONDS
## Troubleshooting

<table>
<thead>
<tr>
<th>Issue</th>
<th>Cause</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>No Green (ON) light on the board</td>
<td>No power from transformer (no green light on the transformer)</td>
<td>Plug transformer into a different outlet</td>
</tr>
<tr>
<td></td>
<td>Bad Transformer</td>
<td>Replace transformer</td>
</tr>
<tr>
<td>No red light on board</td>
<td>Operator is switched OFF</td>
<td>Move switch to ON position</td>
</tr>
<tr>
<td></td>
<td>Unaligned H Sensor and red dot on disk</td>
<td>Realign H Sensor and red dot on disk</td>
</tr>
<tr>
<td></td>
<td>H-Sensor may not be close enough to red dot</td>
<td>Push up H Sensor with your thumb, should be 1/16&quot; away from red dot</td>
</tr>
<tr>
<td></td>
<td>Blown Fuse</td>
<td>Replace fuse – located in tubular fuse holder connected to orange battery wire.</td>
</tr>
<tr>
<td></td>
<td>Bad top board</td>
<td>Replace top board</td>
</tr>
<tr>
<td>Door does not open</td>
<td>Red light on board not on</td>
<td>H Sensor and red dot not aligned</td>
</tr>
<tr>
<td></td>
<td>Loose Connections</td>
<td>Check &amp; tighten all connections</td>
</tr>
<tr>
<td></td>
<td>Battery Failure</td>
<td>Refer to battery testing instructions. Turn operator off if recharging is needed or replace battery if it’s 3–5 years old.</td>
</tr>
<tr>
<td></td>
<td>Obstruction, weather stripping</td>
<td>Remove obstruction, thick weather stripping may need to be removed.</td>
</tr>
<tr>
<td></td>
<td>Blown fuse</td>
<td>Replace fuse – located in tubular fuse holder connected to orange battery wire.</td>
</tr>
<tr>
<td></td>
<td>Bad Radio Receiver Board (if Test button does not work)</td>
<td>Replace Radio Receiver Board</td>
</tr>
<tr>
<td></td>
<td>Strike in Fail Safe Mode (new install)</td>
<td>Change strike to Fail-Secure Mode</td>
</tr>
<tr>
<td>Door does not open wide enough/to its normal width</td>
<td>Opening angle not adjusted</td>
<td>Adjust Opening Angle (blue knob on top board)</td>
</tr>
<tr>
<td></td>
<td>Battery Failure</td>
<td>Recharge or replace battery</td>
</tr>
<tr>
<td>Door does not delay</td>
<td>Incorrect Close Delay setting</td>
<td>Adjust Close Delay knob (5–35 sec)</td>
</tr>
<tr>
<td></td>
<td>Bad Top Board</td>
<td>Replace Top Board</td>
</tr>
<tr>
<td>Operator only works in one direction</td>
<td>Bad Bottom Board</td>
<td>Test by: Sliding Switch on opposite direction, open the door and hit test button (M133) door should open further if it doesn't then there is a bad bottom board. M233 door should open automatically. If it does not, replace bottom board</td>
</tr>
<tr>
<td>Issue</td>
<td>Cause</td>
<td>Solution</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------------------------------------------------------------------</td>
<td>-------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Door moves slower upon opening/closing</td>
<td>Weather stripping, dragging on door..</td>
<td>Remove anything that might be dragging the door. Thick weather stripping may need to be removed</td>
</tr>
<tr>
<td>Battery Failure</td>
<td></td>
<td>Recharge or replace battery</td>
</tr>
<tr>
<td>Strike does not release door latch</td>
<td>Clutch is engaging and keeps running so it won’t let you open the door</td>
<td>Battery Failure—Turn off operator and recharge. Replace battery if it’s 3–5 yrs old.</td>
</tr>
<tr>
<td>Bad Wiring</td>
<td></td>
<td>See Detailed Troubleshooting on <a href="http://www.OpenSesameDoor.com">www.OpenSesameDoor.com</a></td>
</tr>
<tr>
<td>Bad Door Cord or Bad RJ-11</td>
<td></td>
<td>See Detailed Troubleshooting on <a href="http://www.OpenSesameDoor.com">www.OpenSesameDoor.com</a></td>
</tr>
<tr>
<td>Door goes the opposite way</td>
<td>Direction of Slide Switch towards wrong side.</td>
<td>Move Slide Switch towards hinges. With parallel mount, Slide Switch should be away from hinges</td>
</tr>
<tr>
<td>Door does not close</td>
<td>Not enough force</td>
<td>M233: adjust clutch by rotating the red ring on the clutch. If more force needed (both models) move shoe of arm in towards hinges and place middle of shoe on the next existing hole</td>
</tr>
<tr>
<td>Battery Failure</td>
<td></td>
<td>Recharge or replace battery</td>
</tr>
<tr>
<td>Clutch is slipping and makes a grinding whining noise</td>
<td>Bad clutch</td>
<td>Send in to have motor clutch assembly replaced (call for RA# before shipping operator in)</td>
</tr>
<tr>
<td>Transmitter does not work</td>
<td>Incorrect remote</td>
<td>Green Antenna = 433Mhz Purple Antenna = 315Mhz Gray Antenna = 390Mhz (Antenna is the coiled wire located behind red and black buttons on the top of the operator)</td>
</tr>
<tr>
<td>Transmitter not programmed</td>
<td></td>
<td>Refer to Owners Manual or see programming instructions at OpenSesameDoor.com</td>
</tr>
<tr>
<td>Dead battery on transmitter</td>
<td></td>
<td>Replace battery, refer to Owners Manual or go to OpenSesameDoor.com for battery information</td>
</tr>
<tr>
<td>Bad/loose connection between Top Board and Receiver Board</td>
<td></td>
<td>Fix/tighten the connection</td>
</tr>
<tr>
<td>Bad Receiver Board</td>
<td></td>
<td>Replace Receiver Board</td>
</tr>
</tbody>
</table>