

INTRODUCTION	Page 2
General Notes & Information	
The “Teach Cycle”	
SAFETY FEATURES	Page 3
Auto-Reverse	
Motion/Threshold Sensors	
Sensor Mats	
OPERATING INSTRUCTIONS	Page 4
Before You Begin	
Start the Teach Cycle	
Adjust Motion/Threshold Sensors	Page 5
Programming: Buttons, Mats, KeyFobs (Remotes Only)	
Program Devices	
Program the Keycode Keypad	Page 6
Using the Keycode Keypad	
LOCK MODES	Page 7
Hard-Lock	
Soft-Lock	
	Page 9 – 11
FEATURES	
Descriptions and Factory Settings	
CHANGING FACTORY SETTINGS	Page 12 – 14
OTHER INFORMATION	Page 15
The Main Keypad	
Button Behavior	
SWITCH SET-UP AND FUNCTIONS	Page 16 – 18
POSITIONING LOCK LEVER	
TROUBLESHOOTING	Page 19 – 22
SAFETY CHECK	Page 23 – 24
OPERATOR MAINTENANCE	Page 24
FCC COMPLIANCE	Page 24

## INTRODUCTION:

### General Information

- The “Maitre D’oor” sliding door operator is **for residential use only.** ( called the “Operator”).
- The “Operator” has 13 factory set features. These settings can be changed to accommodate your needs.
- The “Operator” can only be used on doors that the inside door panel slides.
- Door must travel freely with no tight spots. The “Operator” is not a cure for a sticky door in need of repair.
  - The free moving door force should not exceed 20 lbs.
  - To get through the door's seal, force should not exceed 25 lbs.
- The 3 foot “Operator” will accommodate doors with up to a 30-1/2 ” opening.
- The 4 foot “Operator” will accommodate doors with a 32” to 42” opening.
- The “Operator” is not guaranteed for use in subfreezing temperatures. Due to ice buildup and or frozen seals, the “Operator” may not function reliably. Before operating under these conditions, clear your door of any snow and ice. Then initiate a new “Teach” cycle.

### The “Teach Cycle”

The “Maitre D’oor” operator must go through a learning mode to measure various elements of your door. These calculations are used in the operator to:

- Set power requirements
- Detect obstructions during normal operations
- Enable the inherent safety features.

The “Teach Cycle” also measures any **extra force** required to pull the door past a stiff or tight seal and all the way closed. This **“Extra Force”** is set during the “Teach Cycle” using no more force than necessary. See **Switch Functions and Set-up** section for important safeguards regarding this feature.

## **SAFETY FEATURES**

- **Auto-Reverse**

- When closing, if the door meets an obstruction:
  - ⇒ The door will stop and reverse to the open position giving an obstruction signal.
  - ⇒ The door will then try again to close, moving slower, until it is closed.
  - ⇒ If the door meets an obstruction on this second try, it will stop, reverse to the open position and stop.
  - ⇒ The door will now stay open, giving an obstruction signal every 4 seconds for approx. 30 seconds.
  - ⇒ The “Operator” will shut down in the open position.
  - ⇒ To reactivate the door, remove the obstruction and press the “Door” button twice.
- If the door meets an obstruction when opening, it will stop, signal an obstruction and reverse.

- **Motion/Threshold Sensors**

**Additional safety is assured with the use of motion /threshold sensors.**

- ⇒ The primary function of the sensors is to **prevent the door from closing** if a person or object is in the threshold. The door will remain open as long as there is movement in the sensor range.
- ⇒ Can also be used as an opening device.

- **Sensor Mats**

**Additional safety is assured with the use of sensor mats.**

- ⇒ The primary function of the sensor mats is to **open the door.**
- ⇒ They will also **hold the door open** by transmitting continuous signals as long as the object remains on the mat.
- ⇒ The mats must be placed and secured as close to the door as possible.
- ⇒ The transmitter (attached to the mat) should be secured to the door jamb with the velcro strips provided.

## OPERATING INSTRUCTIONS

### **Before You Begin:**

- ◆ Check the switch positions and lock lever position for proper set-up before initiating the “Teach Cycle. (See Pg 16– 18)
- ◆ Keep all objects clear of the door and motion sensors while in the teach cycle. Do not interfere when door is teaching.
- ◆ The operator will not function until this step is successfully completed
- ◆ Safety features are activated upon completion of the teach cycle.

### **STEP 1: Start the “Teach Cycle”**

- Close the door.
- Press and hold both the “**PROGRAM**” and “**DOOR**” buttons for **2 seconds**, until you hear a tone; then release.
  - ⇒ The “**On/Status**” LED goes out, the “**DOOR**” LED lights up amber, the keypad will emit tones.
  - ⇒ The door will begin with partial cycles, then full cycles at various speeds. This will take a few minutes—approximately 12 cycles, depending on the door.
  - ⇒ The “Operator” will emit tones and return to the normal operating mode when the “Teach cycle” is complete. The “On/Status” LED is lit.

### **Important Note:**

If the "Operator" did not initiate a teach cycle, or did not complete a good teach cycle, it will emit 3 low tones. Refer to the troubleshooting guide.

## **STEP 2: Adjust Motion /Threshold Sensors**

Please refer to the Optex instructions that came with your sensors for proper adjustments.

### **Step 3: Programming: Buttons, Mats, KeyFobs (Remote devices only)**

The operator will accommodate two (2) devices of each type listed above. One designated for **Inside** operation and one for **Outside** operation.

We recommend programming all **Inside** devices as **(Green)** and all **Outside** devices as **(Red)**.

The main keypad is used to program these devices. Pay attention to the LED's next to the type of device you are programming.

Once programmed, whenever a remote device is activated, the corresponding LED for that device will light up in either green or red on the keypad.

**Caution: Program all devices in their proper area.** It is possible to program a button as a mat, or a mat as a keyfob etc. If this happens, the device will take on the functions of the type of device programmed rather than the actual device itself.

### **Program Devices**

This mode times out after 20 seconds if no device has been programmed. If you have not completed the following steps within that time, start again.

1. Press and hold the **“PROGRAM”** button for 2 seconds.
  - ⇒ The “On/Status” LED flashes green/red.
  - ⇒ The “Button” LED lights up green (indicating the Green (Inside) button is selected for programming.
2. **To Select a Different Device:**
  - ⇒ Press and Release the **“Scroll”** button until you are at the device to be programmed.
    - ⇒ With each press of the **“Scroll”** button, the LED will change from green (Inside) to red (Outside), then move down to the next device.

3. **To Program the Selected Device:**
  - ⇒ Press and Hold the device's button until the door is activated.
  - ⇒ If you are programming a mat, step on the mat.
  - ⇒ This "PROGRAM" mode is automatically exited after a device has been programmed.
4. Repeat steps 1 – 3 until all remote devices are programmed.

### **Program the Keycode Keypad**

To program the keycode keypad with your specific 4-digit passcode:

#### **On the main keypad:**

1. Press and Hold the "PROGRAM" button for 2 seconds.
2. Press and Release the "Scroll" button **until** you are at the Keycode LED (#6).
  - ⇒ The keycode keypad can be programmed in green or red. For this device there is no difference.

#### **On the Keycode Keypad:**

3. Enter your, unique 4-digit passcode.
  - ⇒ Do not use 0 as the first number.
4. Press and Release "Enter"
  - ⇒ The "Operator" will emit a tone, indicating the code is accepted and return to the normal operating mode.

### **Using the Keycode Keypad**

- When the "Operator" is in a **Locked** mode, the "Enter" key functions as a doorbell.
- When the "Operator" is **Unlocked**, the "Enter" key will open the door.
- **To open a locked door** ("Operator" in a locked mode):
  - ⇒ Enter your 4-digit passcode,
  - ⇒ Press and Release "Enter"
  - The door will open, and the "Operator" remains in the locked mode after closing.
- **Locking and Unlocking the "Operator".**
  - ⇒ Enter your 4-digit passcode,
  - ⇒ Press and Release the \* key on the keypad;
    - 1 time to **Unlock**
    - 2 times to **Lock**

The above functions will time out 5 seconds after the last button press.

- **To change the passcode**, follow the steps listed under Program the Keypad. You do not need to know your old passcode.

If the **Remote Echo** is on (See “**Features**” **Group 1 – Green**), the main keypad will emit tones as the passcode is entered..

## **Lock Modes**

**In a power outage, the lock will automatically disengage.**

- The lock is not intended as a security feature. Although secure, it is a convenience feature only.
- You should use the **door’s main lock** or other means of securing the door if you will be away for any length of time.

**There are two (2) lock modes:**

### **Hard-Lock**

Intended as an overnight lock, in this mode, all inputs are disabled except for the main keypad. (Exceptions: See “**Features**” **Group 2 – Red**, KeyFob Unlock)

1. Press and hold the “**LOCK**” button for 2 seconds.
  - ⇒ Lock engages
  - ⇒ “On/Status” and “Door” LED’s change to RED
  - ⇒ Tone indicating locked mode
2. Press and Release “**LOCK**” again.
  - ⇒ Lock disengages
  - ⇒ “On/Status” LED changes to green
  - ⇒ Tone indicating unlocked mode.

### **Soft-Lock**

Intended as a day time lock, as in the Hard-Lock mode, all inputs are disabled except for the main keypad and as noted above. The difference is in the “**Features**” **settings for a remote button and mat only.**

With the “**Features**” (**Group 2 – Red**) settings, you can allow one remote button and one mat to function while the operator is in Soft-Lock. This would restrict entry from the outside, yet allow you to exit without taking the “Operator” out of the Soft-Lock mode

1. Press and Release the **“LOCK”** button.
  - ⇒ Lock engages
  - ⇒ “On/Status” LED changes to red
  - ⇒ Tone indicating lock mode.
2. Press and Release **“LOCK”** again:
  - ⇒ Lock disengages
  - ⇒ “On/Status” LED changes to green
  - ⇒ Tone indicating unlocked mode.

**Notes:**

**Optional Keypad or KeyFob is needed to re-enter if your “Operator” is in a “Locked” mode.**

**Idea:**

Large pets can activate a sensor mat. If your yard is fenced your pet can have open access to the outside. You may want to know before he comes back in (muddy paws etc), so use soft lock.

**Jog Mode: (To hold door open )**

- ⇒ Press & Release the “Door” button on the main keypad to start an opening.
- ⇒ Press and Release again to stop the door when it reaches the desired open position.
- ⇒ Press and Hold the “Lock” button to “Hard-Lock” the “Operator”.
- ⇒ This will disable all devices except the main keypad allowing your door to remain open until you:
- ⇒ Press and Release the “Door” button on main keypad, which will start a close cycle.

Note: You can use any button device to jog the door to an open position but if the “Operator” is not in the hard-lock mode the sensor or mat will close the door if unintentionally activated.



## **FEATURES**

There are 13 features of the “Maitre D’oor” sliding door operator. Each has been factory set for your convenience.

**After carefully reviewing these features, see pages 14 – 17 for Quick Reference Charts and instructions for changing settings.**

The settings for the various “Maitre D’oor” features are **arranged in four Groups on the main keypad**. In the programming mode the **“On/Status” LED changes colors to indicate the Group as listed below**.

**Group 1 - Green**  
**Group 2 - Red**

**Group 3 - Flashing Green**  
**Group 4 - Flashing Red**

The following is a description by **“Group”** of all features. Factory setting is listed next to each feature.

### **FEATURES; GROUP 1 - GREEN:**

#### **Auto Close (LED 1) Factory setting – Green (On)**

Sets the operator to automatically close the door once the door has reached its fully open position.

- ⇒ If set to red (off), the “Operator” will wait for a signal (button, mat, etc.) before closing the door.
- ⇒ This feature does not apply to the mats or threshold sensors. With these devices, the door will close automatically, regardless of this setting (Also see “Delay” Group 4).

#### **Power Assist (LED 2) Factory Setting - Green (On)**

Sets the operator to assist in manually opening or closing the door.

- ⇒ If the door is manually pulled open (pulled off the “fully closed” position), the operator will automatically engage and open the door.
- ⇒ Once the door has been assisted open, it will not close automatically. You can assist it to start a close cycle or activate the door with a device.

#### **Doorbell (LED 3) Factory Setting - Green (On)**

Sets the “Operator’s” doorbell to signal if the outside mat or button is activated when the operator is in Soft-Lock or Hard-Lock. Note, the outside mat and/or button must be programmed as the red device.

#### **Closing Signal (LED 4) Factory Setting Green (On)**

Sets the operator to signal (beep) before the door begins a close cycle.

- ⇒ Signal emits from the motor

**Remote Echo (LED 5) Factory Setting Red (Off)**

Sets the “Operator” to signal (**beep**) when it receives any remote input.

- ⇒ Signal emits from the main keypad.
- ⇒ Each device emits a different tone.

**Spare (LED 6) For future use**

**FEATURES; GROUP 2 - RED**

**Quick Close (LED 1) Factory Setting Red (Off)**

**This feature is used with sensor mats and/or motion/threshold sensors only.**

Sets the door to begin a close cycle as soon as the input signal ceases, even if the door has not fully opened.

- ⇒ Designed primarily for use with wider doors (4' models). You may find it is not necessary for the door to open to the fullest position before a close cycle begins. In hot weather, this would allow less time for insects and other pests to get indoors.
- ⇒ When **Set to on**, the door will reverse as soon as you are off the mats or out of sensor range, regardless of its position.
- ⇒ **Delay** feature should be set to 0 (no delay) (See: Group 4)

**Button Unlock (LED 2) Factory Setting Green (On)**

Allows the remote button programmed as green (or inside) to function even when the operator is in Soft-Lock. (See Soft-Lock definition.)

**Mat/Sensor Unlock (LED 3) Factory Setting Green (On)**

Allows the inside sensor or mat, programmed as green (inside) to function even when the operator is in Soft-Lock. (See Soft-Lock definition.)

**Key Fob Unlock (LED 4) Factory Setting Green (On)**

Allows key fob devices to operate the door, even when the “Operator” is in the Hard-Lock mode. The keyfob inherently activates in the soft-lock mode.

**Sensor 1 Outside (LED 5) Factory Setting Red (Hold Open Only)**

The wired sensors will perform in one of two modes:

1. **Red, “Hold Open Only”** mode. Once the door is activated by another device, the door will “hold open” until the object has moved and is out of the sensor range; or:
2. **Green, “Open and Hold”** mode. An opening device that will open the door and hold it open until the object is out of the sensor range

**Sensor 2 Inside (LED 6) Factory Setting Green (Open and Hold)**

Performs the same as **Sensor 1**

## **FEATURES; GROUP 3- FLASHING GREEN**

### **SPEED**

#### **Factory Setting – Speed 4**

Sets the speed of the door movement.

- ⇒ The door speed is based on the characteristics of the door learned during the “Teach Cycle”. Using this information, the “Operator” will set a limit for the highest speed available for safe operation of your specific door.
- ⇒ There are 6 speeds to select from.
- ⇒ LED #1-6 designate the speed. LED #1 being the slowest, #6 the fastest.
- ⇒ **A NEW “TEACH CYCLE” MUST BE INITIATED AFTER CHANGING THE SPEED SETTING.**

## **FEATURES; GROUP 4 - FLASHING RED**

### **DELAY**

#### **Factory Setting – 6 seconds**

Sets the “Operator” to hold the door open for a certain amount of time before it starts the close cycle.

- ⇒ Timing starts once the door has reached the fully open position, provided there are no other signals from other input devices (mats, sensors etc.).
- ⇒ There are six delay settings, from 0 (zero) to 10 seconds
- ⇒ The “Auto Close” feature (Group 1) must be set to Green (On) for this feature to function
- ⇒ To close a door that is set in a long “Delay”, press a button device two (2) times.
- ⇒ Mats and motion/threshold sensors will also use this time delay. Since the door will automatically stay open until you are off the mat or out of the sensor range, it is recommended that the delay be set to 0 if you are using these devices. Otherwise this will add additional time to the hold open position.

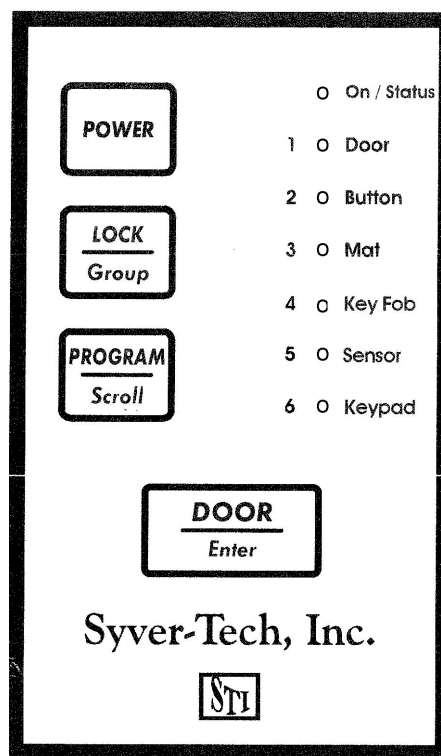
## Changing Factory Settings (Programming Mode)

The factory settings listed in the “Features” section can be changed to meet your needs. The “FEATURES” are accessed using the main keypad.

**In this programming mode, the LED’s on the main keypad have meanings different from the printed labels.**

**When you are changing the features settings, PAY ATTENTION TO THE NUMBERS (1–6) NEXT TO THE LED’S ON THE MAIN KEYPAD. The labels (Door, Button, Mat, etc.) do not apply in this mode.**

- ⇒ The color of the “On/Status” LED indicates the “Group”.
- ⇒ The color of LED’s # 1– 6, indicates the features setting. (Green is ON, Red is OFF )



### **Changing the Feature Settings:**

This mode will time out and return to the normal operating mode after 2 minutes if no activity occurs.

Use these Quick Reference guides to identify Groups and Features.

Group 1				Group 2			
		O	On/Status Green			O	On/Status Red
Auto Close	1	o	Door	Quick Close	1	o	Door
Power Assist	2	o	Button	Button Unlock	2	o	Button
Doorbell	3	o	Mat	Mat/Sensor Unlock	3	o	Mat
Closing Signal	4	o	Key Fob	Key Fob Unlock	4	o	Key Fob
Remote Echo	5	o	Sensor	Sensor 1 (Out)	5	o	Sensor
Spare (Open)	6	o	Keycode	Sensor 2 (In)	6	o	Keycode

**On/Status** LED color indicates the Group

**Features LED's (1 – 6)** indicate the setting:

**Green is Feature On;**

**Red is Feature Off**

1. **Press and hold** both the “**POWER**” and “**PROGRAM**” buttons **for 2 seconds**.
  - ⇒ The “**On/Status**” lights up **Green** indicating you are in **Group 1**.
  - ⇒ All LED's (#1-6) will light up (color indicates features current setting (On or Off))
  - ⇒ LED #1 (Auto Close) will be blinking, indicating it's current setting (On or Off)
2. **To Select a different Feature:**
  - ⇒ Press and Release the “**Scroll**” button until you are at the **Feature** to be changed.
3. **To Change the setting:**
  - ⇒ Press and Release the “**Enter**” button.
  - ⇒ LED color will change from red to green; or green to red, indicating the On or Off setting.
4. **To Move to a different Group:**
  - ⇒ Press and Release the “**Group**” button until you are in the **Group** for the features to be changed.
  - ⇒ “**On/Status**” LED color indicates the **Group**.
5. Repeat Steps 2–5 until all changes are made.
6. To exit the programming mode :
  - ⇒ Press and Release the “**POWER**” button.

### **Changing the Feature Settings** (continued)

**Group 3 (Speed) and Group 4 (Delay) features**, have a graph like screen on the main keypad.

**Note: The Programming steps for these Groups vary slightly from the previous Groups due to the graph layout.**

<b>Group 3</b>			<b>On/Status</b>
<b>(Speed)</b>			<b>Flashing Green</b>
Slowest	1	O	Door
	2	O	Button
	3	O	Mat
	4	O	Key Fob
	5	O	Sensor
Fastest	6	O	Keycode

<b>Group 4</b>			<b>On/Status</b>
<b>(Delay)</b>			<b>Flashing Red</b>
No Delay	1	O	Door
2 seconds	2	O	Button
4 seconds	3	O	Mat
6 seconds	4	O	Key Fob
8 seconds	5	O	Sensor
10 seconds	6	O	Keycode

**Use these Quick Reference guides to identify Groups and Settings.**

1. Press and hold both the **“POWER”** and **“PROGRAM”** buttons **for 2 seconds**.
2. Press and Release the **“Group”** button until you are in Group 3 or 4.  
⇒ LEDs # 1 – 6 indicate the current setting. (**See charts above**)
3. To change the setting:  
⇒ Press and Release the **“Scroll”** button until you are on the setting of your choice.
4. Repeat Steps 2–3 until changes are made.
5. To exit the programming mode:  
⇒ Press and Release the **“POWER”** button.

**A NEW “TEACH” CYCLE MUST BE INITIATED IF THE SPEED SETTING IS CHANGED**

## **Other Information :**

### **The Main Keypad (See Pg. 12)**

The main keypad monitors the “Operators” activity using the LED’s.

- On/Status LED stays lit as long as the “Power” is on.
- When “Power” is off, LED’s will scroll green, scroll red from the bottom up as a reminder that the “Operator” is off.
  - ⇒ Green - Power On
  - ⇒ Red - Soft Lock
  - ⇒ For Hard Lock, both the “Power” and “Door” will be Red.
- During door movement, the “Door” LED flashes up green.
- During the “Delay” the “Door” LED flashes amber.
- Button, Mat, KeyFob, and Keycode LED’s will light (green or red) indicating which device has activated the door.
- Sensor LED will flash if sensors are in the “Hold Open Only” mode.
- Mat LED will flash if sensors are in the “Open and Hold” mode.
  - ⇒ Sensors have the same features as a mat.

### **Button Behavior**

The following is a chart of how the button devices react. Note that this is the same as an automatic garage door opener.

<b>Door State</b>	<b>Press Keypad Door Button or Any Button Device</b>
Fully closed	An open cycle is started.
Fully opened	A close cycle is started.
Opening normally	The door stops.
Closing normally	The door stops, then starts an open cycle.
Stopped partially open	A close cycle is started.

**This section, Pages 16-18, is a duplication of the installation manual.**  
Switches should be setup properly during the installation procedures. This manual should be kept in a convenient location for reference.

**Switch Functions and Set-up** (See Pg. 18 for diagrams)

**Caution**

**Proper set-up of Switch # 4 and Switch # 5 is critical to the operator's safety features.**

If the door's seal is tight or stiff the operator needs to overcome any additional friction in order to pull the door past the seal and all the way closed. The **"Pinch Point"** switch tells the operator to apply extra force to close the door tightly. Upon reaching this switch the operator will increase the final closing force, and not react to any obstruction.

Therefore, it is important to set the "Pinch Point" switch close enough to the door jamb so that no gap exists where a finger or other small object could be pinched. This should be no more than 1/8". If there is no seal on the door requiring extra closing force, then it is best to leave no gap at all. **The reversing safety is shut off past this switch.**

There are five (5) switches in the operator.

- ◆ **Switch #1** –the switch closest to the motor, will signal that the door is completely open. This switch must be positioned and set to assure that the door will stop before hitting the door's actual hard stop.
- ◆ **Switch #2** slows down the door just prior to being fully open. to assure smooth door movement and to prevent slamming
- ◆ **Switch #3** slows down the door just prior to being fully closed., to assure smooth door movement and to prevent slamming.
  - ⇒ Positioning switch #2 and #3 is left to your discretion; however, setting them 5" to 6" from the ends may be good starting points.
- ◆ **Switch #4** signals that the door is completely closed. This will also allow the lock to be engaged and turn off the "Operator's" driver.
  - ⇒ Pull the door all the way closed, and position switch #4 so it drops off when the door is fully closed, leaving approximately 1/8" gap between the switch lever and the switch actuator. (See Figure 1, pg 18)



### Switch Functions and Set-up (continued)

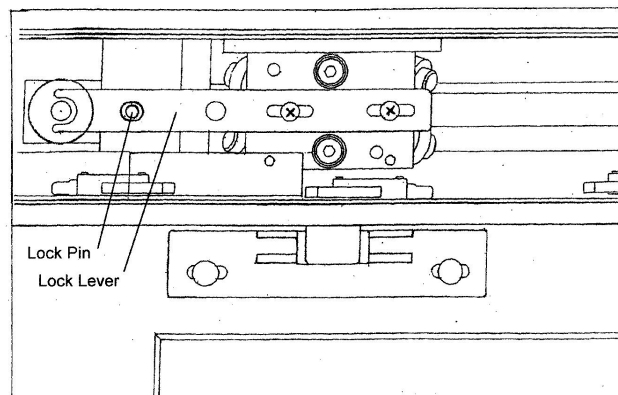
- ◆ **Switch #5**, at the extreme closing end of the operator, has the most important safety function and must be set up very carefully. Switch #5 is also known as the “**Pinch Point**” switch.
  - ⇒ Pull the edge of the door slightly open (out of the seal) but no more than 1/8” away from jamb. Position switch #5, (the pinch point switch), so that it is on (actuated) at this point, before meeting resistance from the seal. That is, the switch actuator must be in contact with switch #5 (Fig. 2, Pg 18)

Fig. 3, Pg. 18 shows proper set-up of **Both** Switches 4 and 5.

**AFTER ADJUSTING ANY SWITCHES, A NEW “TEACH” CYCLE MUST BE INITIATED.**

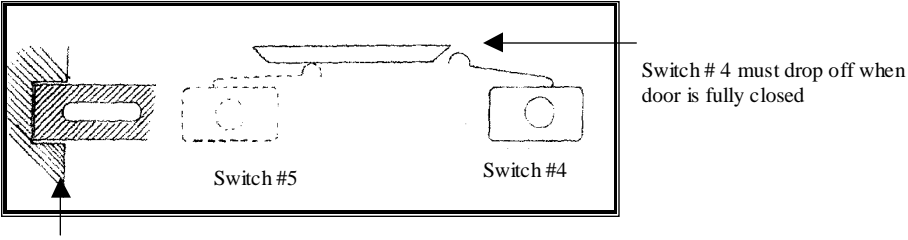
### Positioning Lock Lever

With the door all the way closed, adjust lock lever so that the **LOCK PIN** is **centered** in the **LOCK LEVER** slot.



**Switch #4 Set-up**

Fig. 1

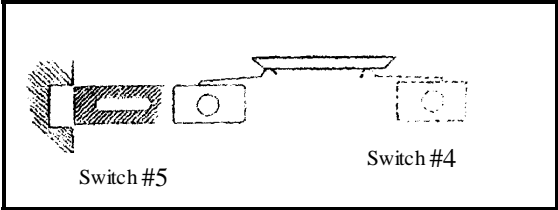


Door fully closed through seal

**Switch #5 Set-up Pinch Point**

Fig. 2

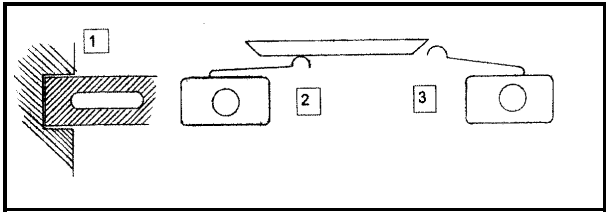
- Door pulled open, just out seal "Pinch Point" gap (max. 1/8")



Switch #5 must actuate before door meets resistance from the seal

**Proper Set-up Switch #4 and #5**

Fig. 3



1. Door fully closed through seal
2. Switch #5 actuated
3. Switch #4 dropped off (1/8" gap)

	Potential Cause	
Teach cycle will not start.	No power	Make sure transformer is plugged in. Check data cable connection to computer.
Teach cycle will not start, but low tones emit from the operator.	Switch #4 is not set properly. Lock lever is not engaged in pin Door Seal is too tight Force required exceeds limits	Switch #4 is not set properly. Lock lever is not engaged in pin Door Seal is too tight Force required exceeds limits
Teach cycle does not complete, will start but stop during the cycling and emit low tones.	Force requirements exceed limits due to: Tight spot in door. Door set to low causing rubbing. Header sagging, pinching door from top.	Check for tight spots in door. Adjust door set to low causing rubbing. Check for header sagging, pinching door from top.

Problem	Potential Cause	
Lock does not engage	Door is not closing completely, the lock lever is not engaging with the lock pin.  Switch actuator is not dropping off Switch #4.  Door seal is too tight.	A  A  C ir
Door reverses when it reaches the jamb.	Switch #5 is not activated.	A
Door slams in opening.	Switch #1 is positioned too close to the door stop.	N
Door doesn't seem to slow down in closing.	Slow down Switch #3 is set too close to the end to effectively slow down the door before reaching closed.  Loose switch connection.  Defective switch.	N (I  C  C

Problem	Potential Cause	
After Teach Cycle, door moves very slowly.	Door weight and friction may be at highest limit.  Operator default speed is Speed 4. Larger/heavier doors affect speed.	M st a C th
Door opens or closes partially, signals the obstruction alarm and reverses without an apparent obstruction.	Make sure door hasn't shifted out of alignment causing a tight spot.  Obstruction in door track.  Weather changes cause doors and seals to expand / contract creating extra friction.  Frozen seals, ice build-up	Manually move back and forth ti C R re R
Door cycles erratically.	Sensor sees door handles.  Sensor seeing other objects. Movement from window treatments, plants moving from a breeze, bugs, will cause the sensor to activate the door.  Mat/rug in front of door. Sensor may have difficulty recognizing contrasting colors of the floor and rug.	A K  Change rug to a different, less c

Problem	Potential Cause	
Door does not close after opening	<p>Operator set in a long delay</p> <p>Operator shut down due to 2 consecutive obstructions.</p> <p>Auto-Close feature is off</p> <p>Sensor is seeing movement from something. (plants, curtains, etc.)</p> <p>Any stationary object put in the sensors range will cause the door to open and remain open until the sensor learns the new object.</p>	<p>Pr (C cl C R tv A C (F R</p> <p>R ne</p>
Remote (wireless) devices do not activate the door.	<p>Device not programmed.</p> <p>Door is manually locked with the door's lock. Operator will try one time to open, then signal an obstruction and shut down.</p> <p>Operator is in a locked mode. Some devices may be set not to open when in the lock mode.</p>	<p>S C U  C ar</p>

## **Safety Check**

Perform these safety checks regularly on each automatic sliding door to insure your safety and protection. Perform these tests while traffic is restricted from all detection and sensing zones.

### **Sensor Activation**

1. Check electronic sensor by walking toward door opening at a moderate speed. Door should start opening before you reach the threshold, should slide open smoothly and stop without impact. Repeat on other side of opening. Move slowly through the door. The door should remain open.
2. Step out of sensor zone. After a brief time delay, the door should slide closed smoothly and should close fully without impact.
3. Walk parallel to the door face to check the detection pattern. Check that detection pattern fully covers the door jamb area (pinch point).

### **Floor Mat Activation**

1. Step on the Aopening≡ (activating) mat in several places. Door should slide open smoothly and stop without impact.
2. Step through the doorway onto the mat on the other side. Door should remain fully open without interruption.
3. Check the mat. It should be secured in place as close to the threshold as possible.
4. Step off the mat. After a brief time delay, the door should close slowly and smoothly without impact.
5. Check battery.

### **Lock Functions**

1. While the operator is in a locked mode, turn off power. Lock should disengage, and the door can be moved manually.

### **Automatic Reversing**

1. Place an object (shoe) at the closing point.
2. Activate door.
2. Door should reverse to fully open, signal an obstruction, then try to close again.
3. Upon meeting an obstruction the second time, door should reverse to fully open, signal an obstruction every few seconds for 30 seconds, then shut down.

## **General Safety**

1. **Decals.** Door should have decals properly displayed on both sides of the door. Decals should include the statement: AAUTOMATIC DOOR≡ (in letters 1/2" high, minimum)
2. **Housekeeping.**  
Be sure floor guides are kept clean and free of any debris which could prevent proper door slide.  
Check the door area for tripping or slipping hazards.

## **Operator Maintenance**

3 simple steps should be done to keep your "Operator" running smoothly. Perform maintenance once or twice a year depending on usage.

1. Wipe the shaft clean with a soft cloth., then carefully lubricate it with household oil.
2. Lubricate inside the extrusion along the track where the drive block travels. Use only a silicone or graphite paste available at any hardware store. Carefully apply with a small paintbrush, do not use a spray on product.
3. Lubricate the coupling next to the motor. Apply a very small amount of the silicone or graphite paste to the center section (spider) of the coupling.

## **FCC Compliance**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operations.