

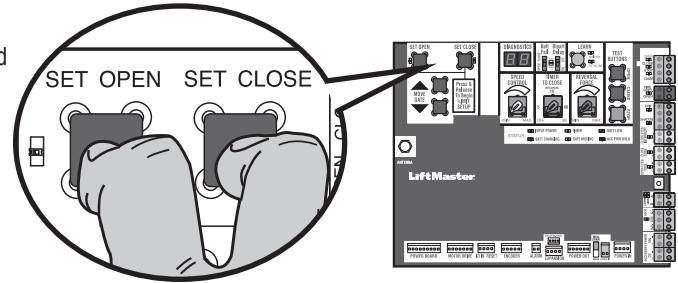
# ADJUSTMENT

## Adjust the Limits

After both limits are set and the operator is ready to run, one limit can be adjusted independently from the other by following steps 1-3 of the Initial Limit and Force Adjustment section.

### After any limit adjustment:

1. Cycle the gate open and close to automatically relearn the forces.
2. Perform the Obstruction Test, see page 23.

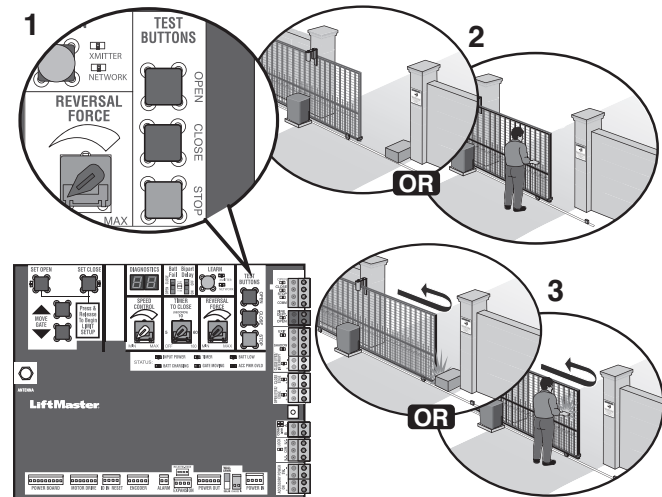


## Obstruction Test

The operator is equipped with an inherent (built in to the operator) obstruction sensing device. If the gate encounters an obstruction during motion, the operator will reverse direction of the gate and then stop. The following procedure will test ONLY the inherent (built in to the operator) obstruction sensing device:

1. Open and close the gate with the TEST BUTTONS, ensuring that the gate is stopping at the proper open and close limit positions.
2. Either place an object between the open gate and the fixed closed catch post **or** obstruct the gate by hand. Make sure that any external entrapment protection devices, such as an edge or photoelectric sensor will NOT be activated by the object or by hand.
3. Run the gate in the close direction. The gate should stop and reverse upon contact with the object or hand. If the gate does not reverse, reduce the force setting by turning the force control slightly counter-clockwise. The gate should have enough force to reach both the open and close limits, but MUST reverse after contact with an object or hand.
4. Repeat the test for the open direction.

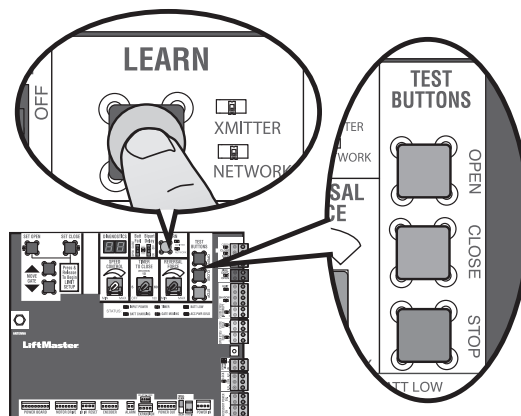
**Test the operator after any adjustments are made.**



# PROGRAMMING

## Remote Controls (Not Provided)

A total of 50 Security+ 2.0® remote controls or KPW250 keypads and 2 keyless entries (1 PIN for each keyless entry) can be programmed to the operator. When programming a third keyless entry to the operator, the first keyless entry will be erased to allow the third keyless entry to be programmed. When the operator's memory is full it will exit the programming mode and the remote control will not be programmed. The memory will need to be erased before programming any additional remote controls. **NOTE:** If installing an 86LM to extend the range of the remote controls DO NOT straighten the antenna.



There are 3 different options for programming the remote control depending on how you would like the remote control to function. Choose a programming option:

OPTION	DESCRIPTION	PROGRAMMING STEPS
Single button as OPEN only	Program a single button on the remote control for open only. The Timer-to-Close can be set to close the gate.	<ol style="list-style-type: none"> <li>1. Press and release the LEARN button (operator will beep and green XMITTER LED will light). <b>NOTE:</b> The operator will time out of programming mode after 30 seconds.</li> <li>2. Press the OPEN button.</li> <li>3. Press the remote control button that you would like to program.</li> </ol>
Single button (SBC) as OPEN, CLOSE, and STOP	Program one remote control button as an open, close, and stop.	<ol style="list-style-type: none"> <li>1. Press and release the LEARN button (operator will beep and green XMITTER LED will light). <b>NOTE:</b> The operator will time out of programming mode after 30 seconds.</li> <li>2. Press the remote control button that you would like to program.</li> </ol>
Three separate buttons as OPEN, CLOSE, and STOP	Program each remote control button as an open, close, and stop.	<ol style="list-style-type: none"> <li>1. Press and release the LEARN button (operator will beep and green XMITTER LED will light). <b>NOTE:</b> The operator will time out of programming mode after 30 seconds.</li> <li>2. Press the OPEN, CLOSE, or STOP button, depending on the desired function.</li> <li>3. Press the remote control button that you would like to program.</li> </ol>

The operator will automatically exit learn mode (operator will beep and green XMITTER LED will go out) if programming is successful. To program additional Security+ 2.0® remote controls or remote control buttons, repeat the programming steps above.

### Entering programming mode using external reset button or 3-button control station:

1. Make sure gate/door is closed.
2. Give the operator an OPEN command.
3. To put the operator into high band programming mode, give the operator an OPEN command. Within 30 seconds, when the gate is at the open limit, press the reset button three times or push the button on the control station three times. **NOTE:** The operator will time out of programming mode after 30 seconds.

NOTICE: This device complies with Part 15 of the FCC rules and Industry Canada's license-exempt RSSs. 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 operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device must be installed to ensure a minimum 20 cm (8 in.) distance is maintained between users/bystanders and device.

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules and Industry Canada ICES standard. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.