

Model 990LM
 Garage Door Opener
 Surge Protector

Owner's Instructions:

The Garage Door Opener Surge Protector is designed to protect LiftMaster® garage door openers against damage from lightning and power surges. The Surge Protector will stop radiated surge currents from coming through wall control and safety sensors, as well as surge currents from coming through AC power line according to the rating chart shown below.

Plug the Surge Protector into grounded (3-wire) 120V AC outlet within four (4) feet of the garage door opener. Plugging Surge Protector into a GFCI (Ground Fault Circuit Interrupter) is acceptable, but not recommended as power surges may cause the GFCI to trip and you will need to reset the outlet in order to operate the garage door opener.



WARNING

To prevent possible **SERIOUS INJURY** or **DEATH** from electrocution:

- Unplug garage door opener from AC outlet and be sure power is disconnected **BEFORE** installing the Surge Protector.
- Connect terminals **ONLY** to 24 VOLT low voltage wires.
- The Surge Protector is **ONLY** for indoor Use.
- **DO NOT** perform installation during a lightning storm (visible lightning)

Installing the wall control wires:

- At the garage door opener, remove the white-white/red wires (for wall control) from Quick-Connect terminals.
- Using a 5' piece of white-white/red 22 AWG bell wire (not included), strip 7/16" of insulation from both ends.
- With existing wall control wire and new wire, use pliers to twist same colored wires together.
- Referring to wiring diagram, insert wall control wires into red and white connectors on Surge Protector.
- Insert opposite ends of new wire into Quick-Connect terminals located on garage door opener as follows: white to white and white/red to red.

Installing the safety sensor wires:

- At the garage door opener, remove the white-white/black wires (for safety sensors) from Quick-Connect terminals.
- Using a 5' piece of white-white/black 22 AWG bell wire (not included), strip 7/16" of insulation from both ends.
- With existing safety sensor wires and new wire, use pliers to twist same colored wires together.
- Referring to wiring diagram, insert safety sensor wires into white and gray connectors on Surge Protector.
- Insert opposite ends of new wire into Quick-Connect terminals located on garage door opener as follows: white to white and white/black to gray.

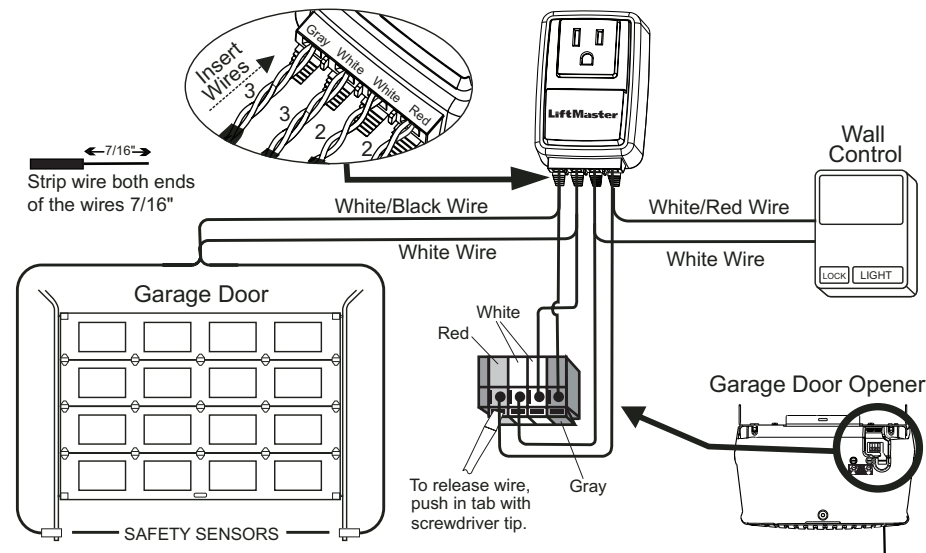
Installing the Surge Protector:

- Plug Surge Protector into AC outlet
- Plug garage door opener into outlet on front of Surge Protector
- Test garage door opener for proper operation. Be sure to test all functions including wall control, keypad, safety sensors (Door Reversal Test - See garage door opener manual for instructions) and any other accessories.

LED Indicator: The indicator light should be illuminated when the surge protector is plugged into AC power and is protecting your garage door opener system. If the indicator light goes out, the surge protector has sacrificed (depleted) itself to protect the garage door opener system and should be replaced immediately.

RATING CHART / TECHNICAL SPECIFICATIONS

Energy Dissipation: 761 joules	Line Voltage: 120 VAC, 50/60Hz	Power: 1800 Watts
Protection Indicator Light: Yes	Maximum Surge Current: 16kA	UL1449 Suppression Rating: 800V
Catastrophic Surge Circuit: Yes	Maximum Surge Voltage: 6kV	Protection Modes: L-N, N-G, L-G
Thermal Fusing: Yes	Line Current: 15 Amp	



Chamberlain Connected Equipment Limited Warranty

Chamberlain warrants to the original purchaser of any Chamberlain Surge Protector that the surge protector shall be free of defects in material and workmanship for a period of five (5) years from the date of original purchase, and will repair or replace, at its option, any defective surge protector free of charge. The proper operation of the Chamberlain Surge Protector may destroy the protector itself. Such an event is not a defect and is not covered by this limited warranty.

For a period of five (5) years from the date of original purchase of any Chamberlain Surge Protector, Chamberlain will repair or replace, at its option, any LiftMaster garage door opener ("Connected Equipment") which is damaged by a transient voltage surge (an "Occurrence"), while properly connected through a Chamberlain Surge Protector to a properly wired AC power line with protective ground. This limited warranty is null and void unless all wires leading into the equipment pass through an appropriate Chamberlain Surge Protector as further described herein. Chamberlain reserves the right to review the damaged Chamberlain Surge Protector, the damaged Connected Equipment and the site where the damaged occurred. All costs of shipping the Chamberlain Surge Protector and the damaged equipment to Chamberlain for inspection shall be borne solely by the purchaser. Damaged equipment must remain available for inspection until the claim is finalized.

All above warranties are null and void if the Chamberlain Surge Protector in use during the occurrence is not provided to Chamberlain for inspection upon Chamberlain's request at the sole expense of the purchaser, Chamberlain determines that the Chamberlain Surge Protector has been improperly installed, altered in any way or tampered with, Chamberlain determines that the damage did not result from the occurrence or that no occurrence in fact took place, or Chamberlain determines that the Connected Equipment was not used under normal operating conditions or in accordance with all labels and instructions. All Chamberlain Surge Protectors must be plugged directly into the power source and must not be "daisy-chained" together in serial fashion with other power strips, UPS, other surge protectors or extension cords. Any such installation voids the limited warranty. This limited warranty only protects against damage to properly connected equipment where Chamberlain has determined, in its sole discretion, that the damage resulted from an Occurrence, and does not protect against acts of God such as flood, earthquake, direct lightning strike, war, vandalism, theft, normal-use wear and tear, erosion, depletion, obsolescence, abuse, damage due to low voltage disturbances (i. e. brownouts or sags), non-authorized program or system equipment modification or alteration. This warranty is secondary to any existing coverage of any Connected Equipment, including, but not limited to, any manufacturer's warranty, extended warranties or insurance coverage.

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