Fan-Speed Controls

FS-5F:	5 A	120 V~	60 Hz		SFSQ-F:	1.5 A	120 V~	60 Hz
FSQ-2F:	1.5 A	120 V~	60 Hz		SFSQ-F-HO:	2 A	120 V~	60 Hz
LTFSQ-2H:	1.5 A	120 V~	60 Hz					
LTFSQ-FH:	1.5 A	120 V~	60 Hz					

Important Notes
Please read before installing.

1. **CAUTION:** To avoid overheating and possible damage to other equipment, do not use to control receptacles, fluorescent lighting fixtures, or transformer-supplied appliances.
2. Set multi-speed fans to their highest setting before installing controls.
3. When no "grounding means" exist within the wallbox then the NEC® 2008, Article 404.9 allows a dimmer without a grounding connection to be installed as a replacement, as long as a plastic, noncombustible wallplate is used. For this type of installation, cap or remove the green ground wire on the dimmer and use an appropriate wallplate such as Lutron's Claro® or Fassada® series wallplates.
4. Do not use control with a fan and light that operate with the same switch.
5. For new installations, wire a test switch before installing the control.
6. Use FSQ-2F and SFSQ-F controls with a ceiling paddle fan only. Use only one ceiling paddle fan per control.
7. Use FS-5F controls only with fans marked "Suitable for use with solid-state fan-speed controls."
8. Do not wire an FSQ-2F, SFSQ-F or SFSQ-F-HO in a circuit with a GFCI breaker/receptacle.
9. Controls may feel warm to the touch during normal operation.
10. Install in accordance with all national and local electrical codes.
11. Clean control with a **soft damp cloth only**. Do not use any chemical cleaners.
12. For indoor use only.
13. Controls must be mounted vertically. See stamp on control for correct positioning.

Multi-Unit Installations

When combining controls in a wallbox, remove all inner side sections before wiring (see below). Use pliers to bend each side section up and down until it breaks off. FS-5F controls require reduction of their capacity. Refer to chart below for maximum capacity. FSQ-2F, SFSQ-F and SFSQ-F-HO controls do not require capacity reduction.
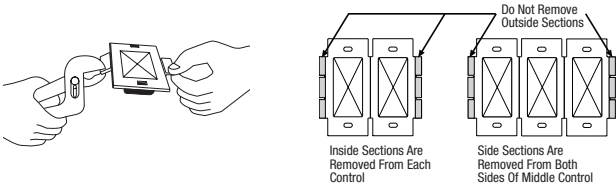

Do Not Remove Outside Sections

Inside Sections Are Removed From Each Control

Side Sections Are Removed From Both Sides Of Middle Control

Model Number	No Sides Removed	1 Side Removed	2 Sides Removed
FS-5F	5 A	4 A	3 A

Technical Assistance

If you have questions concerning the installation or operation of this product, call the **Lutron Technical Support Center**. Please provide exact model number when calling.
1.800.523.9466 (U.S.A., Canada, and the Caribbean)
Other countries call +1.610.282.3800
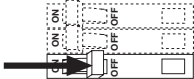Fax +1.610.282.6311   Internet: www.lutron.com
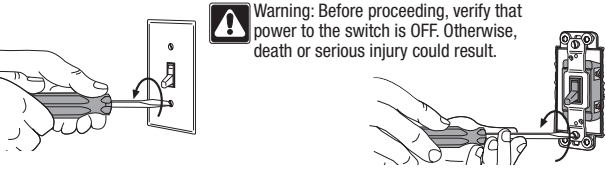
Limited Warranty

Installation

For installations involving more than one control in a wallbox, refer to Multi-Unit Installations before beginning.

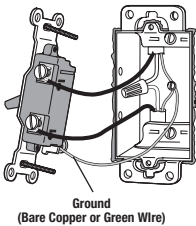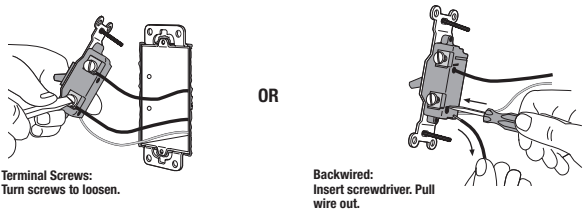**1** **WARNING: Turn power OFF at circuit breaker or remove fuse.**

2 **Removing wallplate and switch.**
• Remove wallplate and switch mounting screws.
• Carefully remove switch from wall (do not remove wires).

⚠ Warning: Before proceeding, verify that power to the switch is OFF. Otherwise, death or serious injury could result.

3 **Verify your application.**
Switch must have two insulated wires connected to two screws and a bare copper or green wire connected to a green screw.
Note: Do not connect to a light fixture.

Ground
(Bare Copper or Green Wire)

4 **Disconnect switch wires.**

OR

Terminal Screws:
Turn screws to loosen.

Backwired:
Insert screwdriver. Pull wire out.

Important Note:
Your wall switch may have two wires attached to the same screw (see illustrations below for examples). Tape these two wires together before disconnecting. When wiring, connect wires to the Dimmer the same way they were connected to the switch.
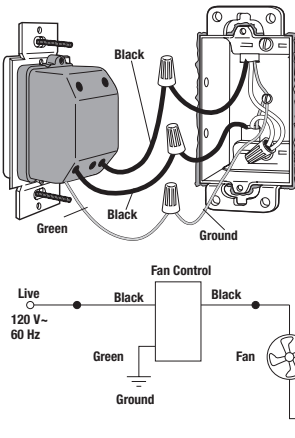

Important Wiring Information

When making wire connections, follow the recommended strip lengths and combinations for the supplied wire connectors. **Note:** Wire connectors provided are suitable for **copper wire only.** For aluminum wire, consult an electrician.

Small:
 Strip insulation 3/8 in (10 mm) for 14 AWG (1.5 mm^2) wire.
 Strip insulation 1/2 in (13 mm) for 16 AWG (1.0 mm^2) or 18 AWG (0.75 mm^2) wire.

 Use to join one 14 AWG (1.5 mm^2) supply wire with one 16 AWG (1.0 mm^2) or 18 AWG (0.75 mm^2) control wire.
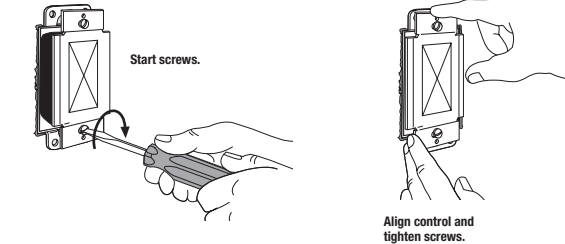
Large:
 Strip insulation 1/2 in (13 mm) for 10 AWG (6 mm^2), 12 AWG (2.5 mm^2), or 14 AWG (1.5 mm^2) wire.
 Strip insulation 5/8 in (16 mm) for 16 AWG (1.0 mm^2) or 18 AWG (0.75 mm^2) wire.

 Use to join one or two 12 AWG (2.5 mm^2) or 14 AWG (1.5 mm^2) supply wires with one 10 AWG (6 mm^2), 12 AWG (2.5 mm^2), 14 AWG (1.5 mm^2), 16 AWG (1.0 mm^2), or 18 AWG (0.75 mm^2) control wire.

Twist wire connector tight. **Be sure no bare wire is exposed.**

Small   Large

5 **Wire the control:**

Black
Black
Green   Ground

Fan Control

Live
120 V~
60 Hz

Black   Black
Green   Fan
Ground
Neutral

• Connect the green ground wire on the control to the green or bare copper ground wire in the wallbox (see Important Note 3).

• Connect the black wire on the control to either of the wires removed from the switch.

• Connect the remaining wire on the control to the remaining wire removed from the switch.

6 **Mount and align control. Install wallplate.**

Start screws.

Align control and tighten screws.

7 **Turn power ON.**