Single Pole (One location) or 3-Way (Multi-location)

Fan Speed Control

120VAC, 60Hz

Cat. No. IPFØ5-1L, 5A (Lighted)

INSTALLATION INSTRUCTIONS

fantech®
a systemair company

WARNINGS AND CAUTIONS:

- To be installed and/or used in accordance with appropriate electrical codes and regulations.
- If you are unsure about any part of these instructions, consult a qualified electrician.
- To avoid overheating and possible damage to this device and other equipment, do not install to control a receptacle, fluorescent lighting, a motor- or a transformer-operated appliance other than appropriate ceiling fans.
- To reduce the risk of fire or electrical shock, this control is to be used with ceiling fans that are marked as suitable for use with a solid-state fan speed control and is rated 120VAC, total load 5 amperes maximum.

WARNINGS AND CAUTIONS:

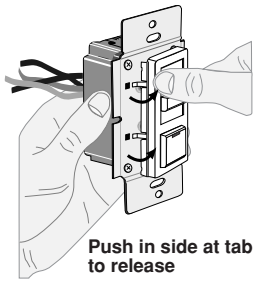
- For use on ceiling paddle fans with split-capacitor or shaded pole motors only. Please refer to manufacture's instructions or rating label on the motor to confirm type. Use with any other types of motors or equipment may cause overheating and/or damge to the motors or equipment.
- Use only one (1) Fan Speed Control per load. The switch(es) will turn ON the fan at the speed level selected at the control.
- Disconnect power at circuit breaker or fuse when servicing fixture.
- Use this device only with copper or copper clad wire. With aluminum wire use only devices marked CO/ALR or CU/AL.

Tools needed to install your Fan Speed Control:

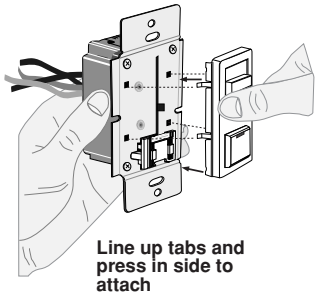
Slotted/Philips Screwdriver	Electrical Tape
Pliers	Pencil
Cutters	Ruler

Changing the color of your Fan Speed Control:

Your Fan Speed Control includes two color options. The Control ships with the White frame attached. To change color of frame, proceed as follows:



Push in side at tab to release



Line up tabs and press in side to attach

Move the slider up or down one full cycle to automatically engage the slider control mechanism.

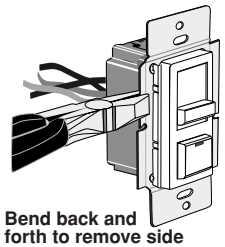
Installing Fan Speed Control by itself or with other devices:

If installing Control in a single device application, proceed with the **INSTALLING YOUR FAN SPEED CONTROL** section. If installing Control in a multi-device application, proceed as follows:

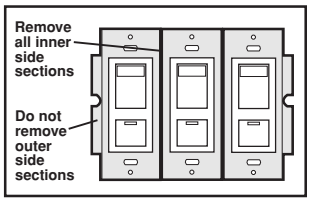
MULTI-DEVICE APPLICATION:

NOTE: You only need to remove side sections if installing with other controls or if it does not fit in wall box – not when installing with mechanical switches.

When installing more than one Fan Speed Control in the same location, the side sections of the mounting strap must be removed. Use pliers to carefully bend side sections back and forth until they break off. The side sections dissipate heat, so removing them requires a derating of the control's capacity **(refer to chart)**.



Bend back and forth to remove side section

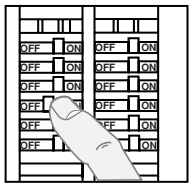


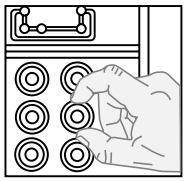
MAXIMUM LOAD PER DIMMER FOR MULTI-DEVICE			
Cat. No.	**Single**	**Two Devices**	**More than 2 Devices**
IPFØ5-1L	600W, 5A	500W, 4.1A	400W, 3.3A

INSTALLING YOUR FAN SPEED CONTROL

NOTE: Use check boxes ☑ when Steps are completed.

Step 1 ☐ **WARNING:** To avoid fire, shock, or death; **TURN OFF POWER** at circuit breaker or fuse and test that power is off before wiring!



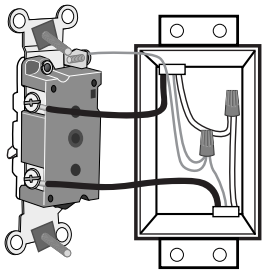


Step 2 ☐ **Removing existing switch:** Remove existing wallplate and switch mounting screws. Carefully pull switch from wall box. **DO NOT** remove wires attached to the switch at this time.

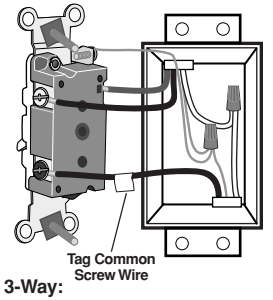
Step 3 ☐ **Identifying your wiring application (most common):**

NOTE: If the wiring in the wall box does not resemble any of these configurations, consult a qualified electrician.

Step 3 con't

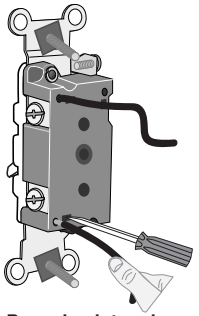


Single-Pole:
Look at the back of your switch. If there are 2 wires connected to two screw terminals (not including a green or bare copper wire used for grounding), you have a Single-Pole switch.



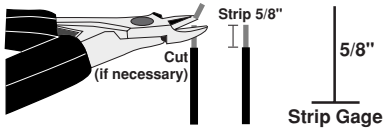
3-Way:
Look at the back of your switch. If there are 3 wires connected to three screw terminals (not including a green or bare copper wire used for grounding), you have a 3-Way switch. Note that one of the screw terminals will usually be a different color (black) or labeled Common. Tag that wire with electrical tape to identify.

Step 4 ☐ **Disconnecting switch wires and preparing wires:**



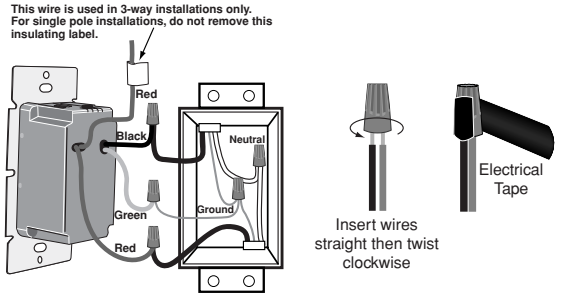
Press in slot and pull out wire

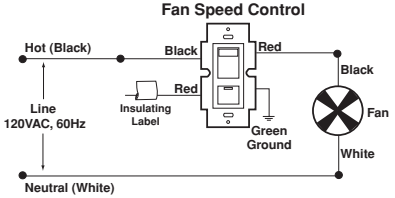
- Disconnect wires from screw terminals or Quickwire™ slots (shown).
- Pull off pre-cut insulation from Control leads.
- Make sure that the ends of the wires from the wall box are ***straight (cut if necessary)***.
- Remove 5/8" (1.6 cm) of insulation from each wire in the wall box (shown).
- **For Single-Pole Application, go to Step 5A.**
- **For 3-Way Application, go to Step 5B.**



Strip Gage

Step 5a Single-Pole Wiring Application:



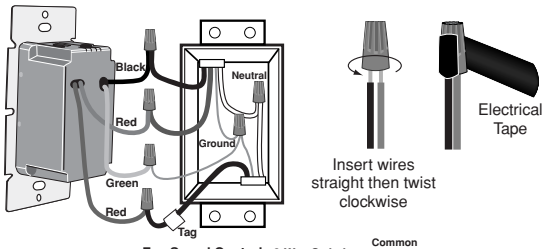


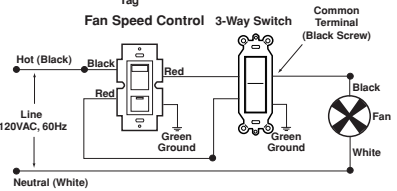
Connect wires per WIRING DIAGRAM as follows:
Screw wire nuts on clockwise making sure no bare conductors show below the wire connectors. Secure each connector with electrical tape.

NOTE: Control can be installed on either the Load or Line side.

- Green control Ground lead to Green or bare copper wire in wall box.
- Black control lead to any wall box wire removed from old switch.
- Red control lead without insulating label to remaining wall box wire. **Proceed to Step 6.**
- Remaining Red control lead should have Red insulation label affixed. **Proceed to Step 6.**
  NOTE: If insulating label is not affixed to Red lead, use a small wire nut or electrical tape to cap off. **Proceed to Step 6.**

Step 5b 3-Way Wiring Application:





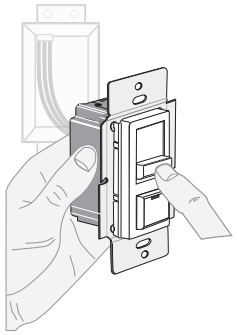
Step 5b con't

Connect wires per WIRING DIAGRAM as follows:
Screw wire nuts on clockwise making sure no bare conductors show below the wire connectors. Secure each connector with electrical tape.

NOTE: Control can be installed on either the Load or Line side.

- Green control Ground lead to Green or bare copper wire in wall box.
- Black control lead to tagged (common) wall box wire identified when removing old switch.
- Remove Red insulating label from Red lead.
- Any Red control lead to any of the remaining wall box wires.
- Remaining Red control lead to remaining wall box wire.

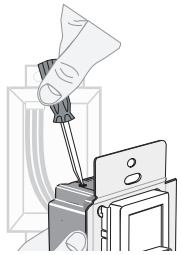
Step 6 Testing your Fan Speed Control prior to mounting in wall box:



- Restore power at circuit breaker or fuse.
- Carefully holding control as shown, move slider control lever to highest position. Fan should turn ON to highest level. If fan does not turn ON, depress push-button switch once. Fan should turn ON to highest level.

  If fan still does not turn ON, refer to the TROUBLESHOOTING section.

Step 7 Minimum Fan Speed Adjustment:

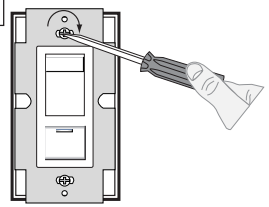


This Fan Speed Control incorporates a minimum fan speed adjustment that allows you to set the level of speed when the slider control lever is in the lowest position.

Move slider to the lowest position. Using a small, insulated screwdriver, rotate the adjustment screw as shown until the desired level of minimum speed is obtained. Ensure that when the push-button is switched ON, the fan paddles are rotating.

Step 8 Fan Speed Control Mounting:

TURN OFF POWER AT CIRCUIT BREAKER OR FUSE.



Installation may now be completed by carefully positioning all wires to provide room in wall box for control. Mount control into box with mounting screws supplied. Attach wallplate.

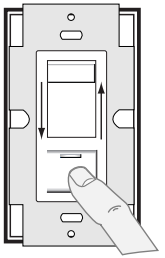
Step 9 Restore Power:

Restore power at circuit breaker or fuse. **Installation is complete.**

OPERATION

NOTE: The indicator light will illuminate when the control is in the OFF position to facilitate access in the dark.

NOTE: If using the control in a 3-way application, the control will turn ON at the speed level set on the control's slide control lever. The fan can be controlled from either the control or the switch location.



ON/OFF:
Depress push-button switch to ON position - Fan will turn ON at level set by slider.

Depress push-button switch to OFF position - Fan will turn OFF.

Fan Speed:
Move slider control lever up or down to vary the speed of the fan.

TROUBLESHOOTING

- Fan does not turn ON and ON/OFF LED does not turn ON
  - Circuit breaker or fuse has tripped.
  - Fan has burned out.
  - Fan Neutral connection is not wired.

NOTE: If further information is needed in identifying the HOT wire in a 3-Way application, go to *Leviton's website at www.leviton.com.*

For non-standard wiring applications, refer to Wire Nut and Connector Size Chart

WIRE CONNECTOR / # OF COND. COMBINATION CHART
1- #12 w/ 1 to 3 #14, #16 or #18
2- #12 w/ 1 or 2 #16 or #18
1- #14 w/ 1 to 4 #16 or #18
2- #14 w/ 1 to 3 #16 or #18

LIMITED 5 YEAR WARRANTY AND EXCLUSIONS

Fantech warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Fantech is free of defects in materials and workmanship under normal and proper use for five years from the purchase date. Fantech's only obligation is to correct such defects by repair or replacement, at its option. For details visit **www.fantech.net** or call 1-800-747-1762. This warranty excludes and there is disclaimed liability for labor for removal of this product or reinstallation. This warranty is void if this product is installed improperly or in an improper environment, overloaded, misused, opened, abused, or altered in any manner, or is not used under normal operating conditions or not in accordance with any labels or instructions. There are no other or implied warranties of any kind, including merchantability and fitness for a particular purpose, but if any implied warranty is required by the applicable jurisdiction, the duration of any such implied warranty, including merchantability and fitness for a particular purpose, is limited to five years. Fantech is not liable for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, lost sales or profits or delay or failure to perform this warranty obligation. The remedies provided herein are the exclusive remedies under this warranty, whether based on contract, tort or otherwise.