

# QUIET FAN SPEED CONTROL

Single Pole or 3-Way  
 Cat. No. TSF01 – Ceiling Fan 1.5A  
 120VAC, 60Hz



DI-000-TSF01-02A

## INSTALLATION INSTRUCTIONS

### WARNINGS AND CAUTIONS

- **TO AVOID FIRE, SHOCK, OR DEATH: TURN OFF POWER** at circuit breaker or fuse and test that power is off before wiring or servicing fixture!
- **TO AVOID FIRE, SHOCK, OR DEATH:** this control is to be used with ceiling fans that are rated 120VAC, total load 1.5 amperes maximum.
- 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 an electrician.
- Use this device with **copper or copper clad wire only**.

### WARNINGS AND CAUTIONS

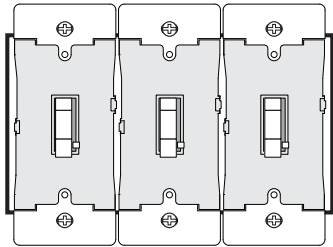
- For use on ceiling paddle fans with split-capacitor or shaded pole motors only. Please refer to manufacturer's instructions or rating label on the motor to confirm type. Use with any other types of motors or equipment may cause overheating and/or damage to the motors or equipment.
- Use only one (1) Fan Speed Control per load. The switch(es) will turn ON the fan at the speed level selected at the control.
- 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.

### Tools needed to install your Fan Speed Control

- |                             |                 |         |
|-----------------------------|-----------------|---------|
| Slotted/Philips Screwdriver | Electrical Tape | Ruler   |
| Pliers                      | Pencil          | Cutters |

### Installing Control by itself or with other devices

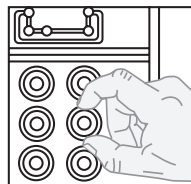
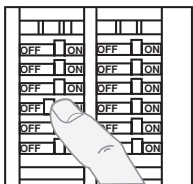
**NOTE:** There is NO derating necessary for multi-gang installations of this Fan Speed Control.



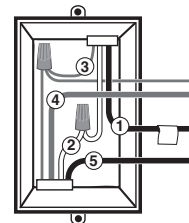
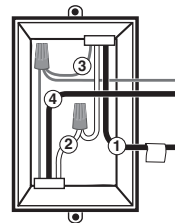
### Installing your Fan Speed Control

**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 or servicing fixture!



### Step 2 Identifying your wiring application (most common):



#### Single Pole

1. Line (Hot)
2. Neutral
3. Ground
4. Load

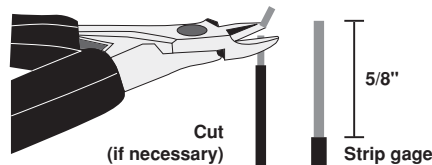
#### 3-Way

1. Line or Load (See note below)
2. Neutral
3. Ground
4. First Traveler – note color
5. Second Traveler – note color

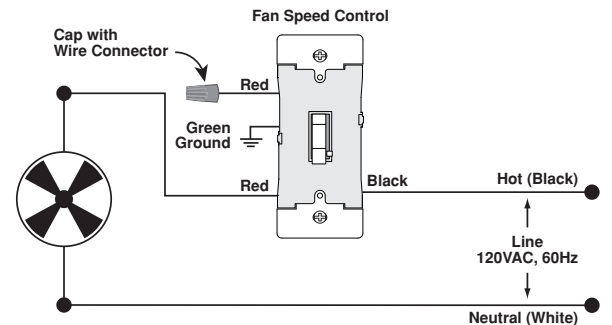
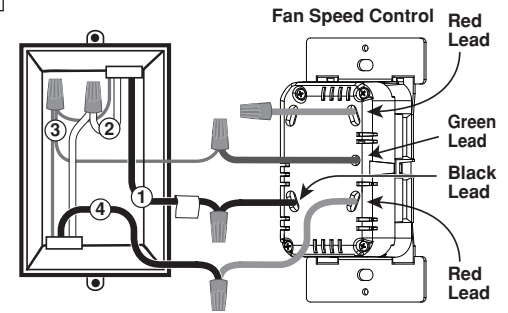
**NOTE:** For 3-Way applications, note that one of the screw terminals from the old switch being removed will usually be a different color (Black) or labeled Common. Tag that wire with electrical tape and identify as the common (Line or Load) in both the dimmer wall box and 3-way wall box.

### Step 3 Preparing and connecting wires:

- 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.
- **For Single-Pole Application, go to Step 4a.**
- **For 3-Way Application, go to Step 4b.**



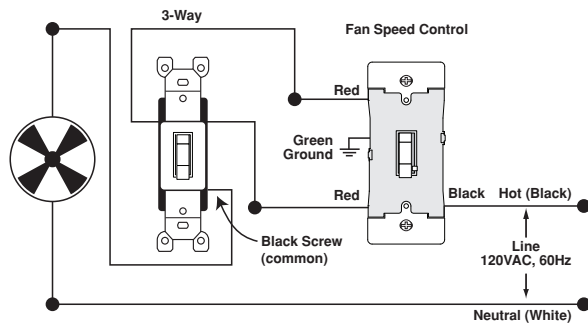
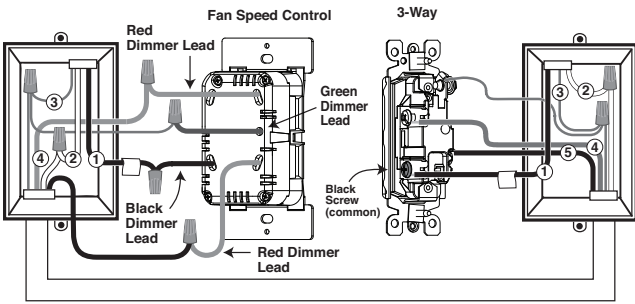
### Step 4a Single-Pole Wiring Application:



#### Connect wires per WIRING DIAGRAM as follows:

- Green or bare copper wall box wire to **GREEN** control lead.
  - Line Hot wall box wire to **BLACK** control lead.
  - Load wall box wire to **RED** control lead.
  - Remaining **RED** control lead should have a label affixed. **DO NOT REMOVE** this label in a single pole application.
  - **NOTE:** If the insulating label is not affixed to the second **RED** lead use electrical tape or a wire connector to cover.
- Proceed to Step 5.**

### Step 4b 3-Way Wiring Application:

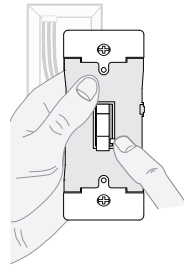


Connect wires per **WIRING DIAGRAM** as follows:

- Green or bare copper wall box wire to **GREEN** control lead.
- Common (Line hot or Load) wire to **BLACK** control lead.
- Remove insulating label and connect the first traveler wire to the **RED** control lead.
- Connect the second traveler wire to the remaining **RED** control lead.

Proceed to **Step 5**.

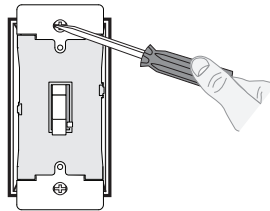
### Step 5 Testing your Fan Speed Control prior to mounting in the wall box:



- Restore power at circuit breaker or fuse.
  - Carefully holding fan speed control, move slider control lever to highest position and move toggle handle up. Fan should turn ON to highest speed.
- If fan does not turn ON, refer to the **TROUBLESHOOTING** section.

### Step 6 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 fan speed control. Mount fan speed control into box with mounting screws supplied. Attach wallplate.

### Step 7 Restore Power:

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

### Operation

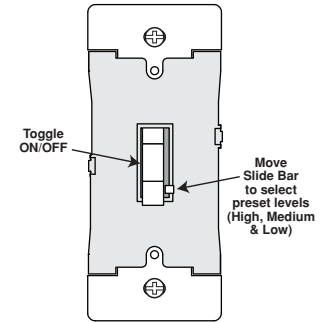
#### ON/OFF:

Move toggle handle up  
- Fan will turn ON.

Move toggle handle down  
- Fan will turn OFF.

#### CHANGING SPEEDS:

Move slide bar  
- Fan will change speeds.



### Troubleshooting

- **Fan does not turn ON**
  - Circuit breaker or fuse has tripped.
  - Fan has burned out.

For Technical Assistance Call: 1-800-824-3005 (U.S.A. Only) [www.leviton.com](http://www.leviton.com)

#### FOR CANADA ONLY

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