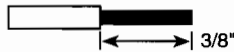


INSTALLATION

1. **TURN OFF POWER.** Control may only be installed when power is turned off. Remove fuse or turn circuit breaker off.
2. Remove switch from wallbox. Note: If a green or bare copper ground wire connection is not available in the wallbox, contact a licensed electrician.
3. Strip insulation of dimmer wires and the wires to which the control is being connected.
3/8" for No. 14, 16 and 18 gauge



4. The wire connectors provided are suitable for use with copper wire only. Use connectors to join the following wire combinations:
One No. 14 with one No. 18 or one No. 16 gauge wire.
5. Connect the ground (green or bare) wire of the control to a ground wire in the wallbox with a wire connector or to the wallbox ground screw.
6. Connect the black lead of the control to 120 VAC hot with a wire connector provided.
7. Connect the red lead of the control to the fan motor(s) with a wire connector provided.
8. Connect the yellow lead of control to the auxiliary device(s), if used, with wire connector provided. If no auxiliary devices are used, place a wire connector on yellow lead and do not use.
9. Mount the control in a single gang wallbox with screws provided. Do not install faceplate unit until control has been tested and trimmed.

OPERATION

Turn knob a small amount clockwise, until control clicks on. This will turn fan on at full speed, as well as provide constant voltage power to auxiliary devices. Rotating knob clockwise will decrease fan speed; rotating knob counterclockwise will increase fan speed. Turning knob counterclockwise until control clicks off will turn off fan, as well as switch off power to auxiliary devices.

MINIMUM SPEED ADJUSTMENT

The RF51 control is equipped with field adjustable minimum speed. To adjust the minimum speed trim:

1. Turn trimpot (see Figure 3) full counterclockwise and turn knob on the control full clockwise.
2. Rotate trimpot slowly clockwise, until fan starts to turn. This will set fan at its minimum operating speed.
3. If a high minimum speed is required, simply rotate trimpot clockwise until set at desired minimum speed.

IMPORTANT: Do not leave control turned on with fan motor stalled for any great length of time. This may overheat and damage the fan motor.

Figure 1: Controlling Fan Only

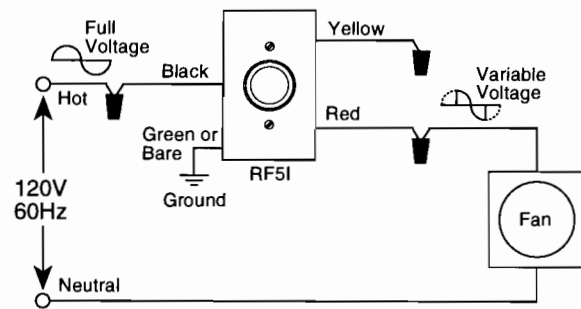


Figure 2: Controlling Fan & Auxiliary Device

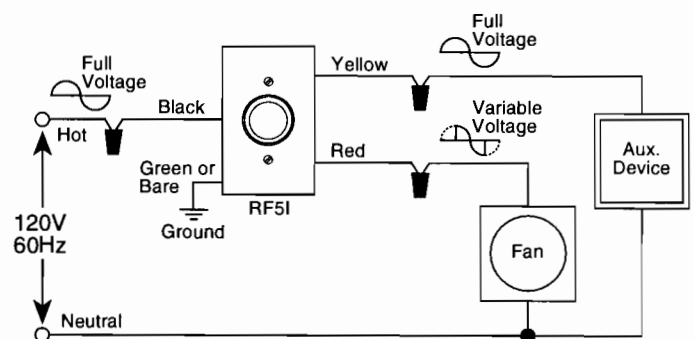
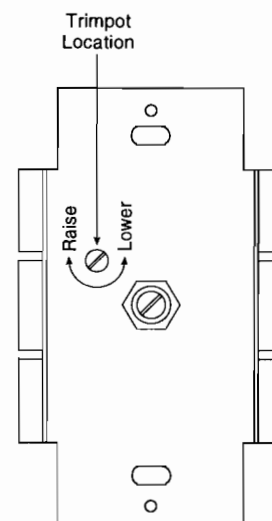


Figure 3: Adjust Speed



Wiring Device Division

Installation Instructions

Specification Rotary Fan Speed Control Cat. Number: RF5I

SPECIFICATIONS

Input: 120 VAC, 60Hz
VAC Output: 0-116 VAC, variable
VDC Output: ± 1 VDC maximum
Capacity*: 5 Amps maximum

The RF5I may control more than one fan if the combined ratings of the fans and auxiliary load does not exceed 5A, at 120 VAC, 60Hz.

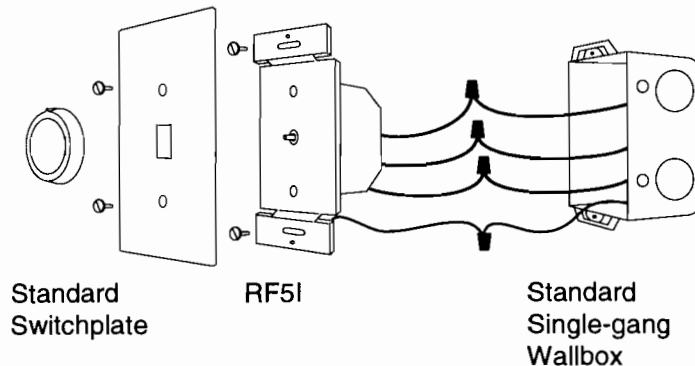
When auxiliary lead of control is employed for control of a lamp load, total wattage should not exceed 300 watts.

*Capacity is sum of current used by motor(s) plus current used by auxiliary device(s), such as lights or electric louvers. To convert rating in watts to amps use table below, or divide wattage by 120.

Auxiliary Load Rating Conversion

Watts	40	60	75	100	150
Amps	.33	.50	.63	.83	1.25

Mounting RF5I



IMPORTANT NOTES

- **WARNING:** To reduce risk of fire or electrical shock use this control only with fans that are marked as suitable for use with a solid-state fan speed control.
- **CAUTION:** Power must be turned OFF or fuse removed before installing this unit.
- This control can be installed in either a metal or plastic box. If a green or bare copper ground connection is not available in the wallbox, contact a licensed electrician.
- New installations: Check circuit for shorts with a standard switch before installing control. Warranty void if control is shorted.

GANGING

When ganging two or more units together in the same wallbox, it is necessary to remove a side section from each side that is to be adjacent to another unit. When ganging, the maximum load must be derated to avoid overheating and permanent damage to the units. Derate multi-ganged fan speed controls according to the Capacity Derating Chart below.

Capacity Derating Chart

Maximum Capacity	Capacity one side removed	Capacity two sides removed
5A (single fan or total load of multiple fans)	4A	3A