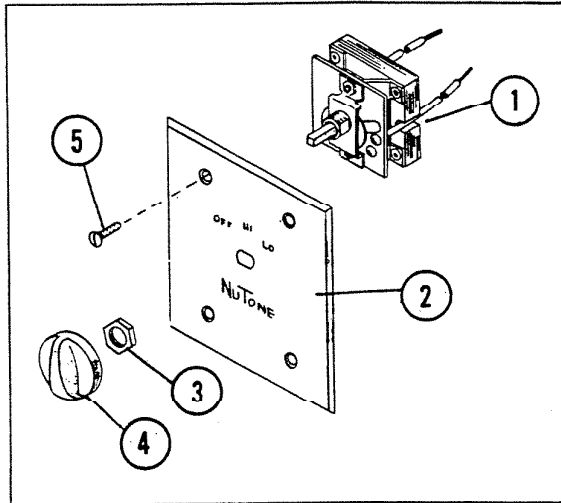




# Model VS-51 2-Speed Switch

## PARTS LIST

EFFECTIVE DATE JULY 1, 1965



REF. NO.	PART NO.	DESCRIPTION
1	26197	Switch & Coil Assembly
2	26199	Switch Plate
3		Plate Nut
4	26198	Switch Knob
5	26200	Mounting Plate Screw Set (4)

**NOTE: If parts are not available from local supplier,  
Order from NuTone, Inc., Box 27, Cincinnati,  
Ohio 45227**

**NuTone Inc.,** Madison & Red Bank Roads - Cincinnati, Ohio 45227 - U.S.A.

Part No. 26436

## Accessory Switches

**MODELS:** VS-60 through HS-94S  
CFVS-1N, TDS-2, TDS-3,  
CFT-12, CFS-2, CFS-2T  
PFRC-1, PFCSW-5,  
PFCSW-5P, PFCSW-5L

### DESCRIPTION

Switches are available as accessories for remote control of NuTone Exhaust Fans, Paddle Fans, Whole-House Ventilators, Cooling Fans or Heaters. The speed switches are specifically designed for use with NuTone Exhaust Fans. The timer and toggle switches may be used with either Exhaust Fans or Heaters.

### SWITCH TYPE MODELS

SWITCH TYPE	MODELS
Fans	VS-60 through VS-69S, VS86S, VS-87 and VS-88.
Whole-House Ventilators	CFS-2, CFS-2T, CFT-12, CFVS-1N.
Heaters	VS-62, VS-63, VS-66S through VS-69S, HS-91S through HS-94S.
Paddle Fans	PFRC-1, PFCSW-5, PFCSW-5P, PFCSW-5L.

### DESIGN FEATURES

<b>Ratings:</b>	<b>Speed Switches:</b> For use with specific NuTone fans rated at 2.5 amps or less. <b>Timer Switches – SPST:</b> 20 amps, 125vAC, 1 HP; 10 amps, 250vAC, 1 HP; 10 amps, 277vAC. <b>Toggle Switches – SPST:</b> 15 amps, 120 - 277vAC.
<b>Material &amp; Finish:</b>	Anodized aluminum, champagne gold finish. Switches are ivory color, except speed controls which are clear.
<b>Mounting:</b>	<b>Single and double gang boxes:</b> 3" deep. <b>Single-gang box for Models:</b> TDS-2, TDS-3, VS-60, VS-62, VS-63, VS-64, VS-65, VS-86S, HS-91S, HS-92S, HS-93. <b>Double-gang box for Models:</b> VS-66S, VS-67S, VS-68S, VS-69S, VS-87, VS-88, HS-94S.
<b>Dimensions:</b>	<b>Single-gang wall plate:</b> 2¾" W x 4½" H. <b>Double-gang wall plate:</b> 4½" square.

### SPEED SWITCHES

<b>VS-60:</b>	Three-speed switch for all NuTone fans except Models: 8070, RF-1N, WF-1N, RF-40 and pull-chain type units.
<b>VS-64:</b>	Solid-State Speed Control Switch. Provides for unlimited choice of fan motor speeds. 2.5 amp.
<b>VS-65:</b>	Solid-State Speed Control Switch. Provides for unlimited choice of motor speeds. 4.5 amps.
<b>VS-88:</b>	2.5 amp; 115/120v Solid-State Speed Control Dial for variable speed control; combined with separate on/off toggles rated at 120-277v; 15 amp., for light and night light.

### TIMER SWITCHES

<b>VS-62:</b>	60-minute timer switch for all NuTone heaters and fans, except pull-chain type fans.
<b>VS-63:</b>	15-minute timer switch for all NuTone heaters and fans, except pull-chain type fans.
<b>VS-66S:</b>	60-minute timer and on/off toggle for all NuTone heaters and fans, except pull-chain type fans.
<b>VS-67S:</b>	60-minute timer and two on/off toggles for all NuTone heaters and fans, except pull-chain type fans.
<b>VS-68S:</b>	15-minute timer and on/off toggle for all NuTone heaters and fans, except pull-chain type fans.
<b>VS-69S:</b>	15-minute timer and two on/off toggles for all NuTone heaters and fans, except pull-chain type fans.

### TOGGLE SWITCHES

<b>TDS-2:</b>	Time-delay switch for fan-light. Allows fan to run for up to 15 minutes after light is turned off. Can also be used with fan in conjunction with separate lighting.
<b>TDS-3:</b>	Same as TDS-2 but with manual override.
<b>VS-86S:</b>	Two toggles for light and vent.
<b>VS-87:</b>	Three on/off toggles for vent, light, and night light.
<b>HS-91S:</b>	Two toggles for vent and heat.
<b>HS-92S:</b>	Two toggles for light and heat.
<b>HS-93:</b>	Three toggles for light, vent and heat.
<b>HS-94S:</b>	Three toggles for light, vent and heat.

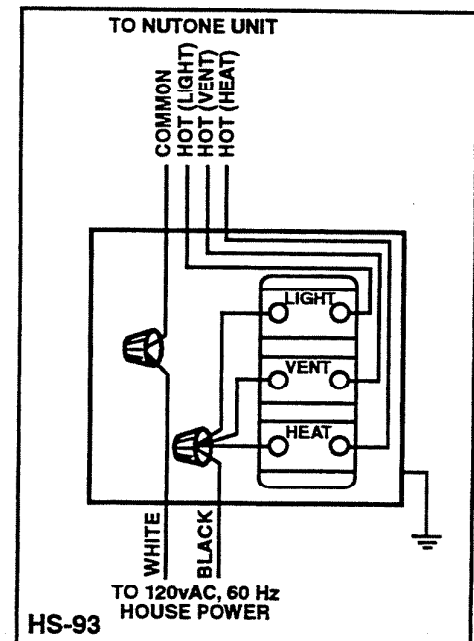
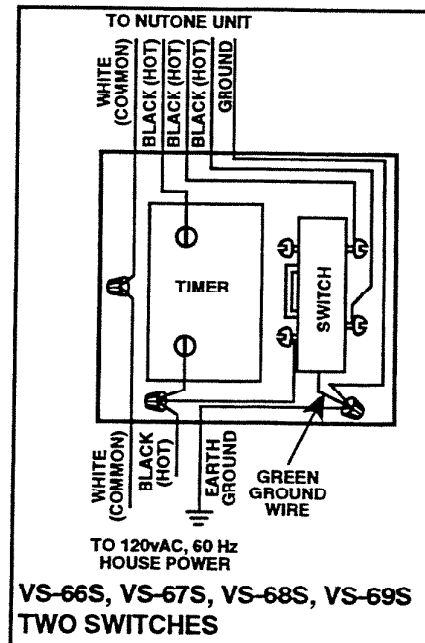
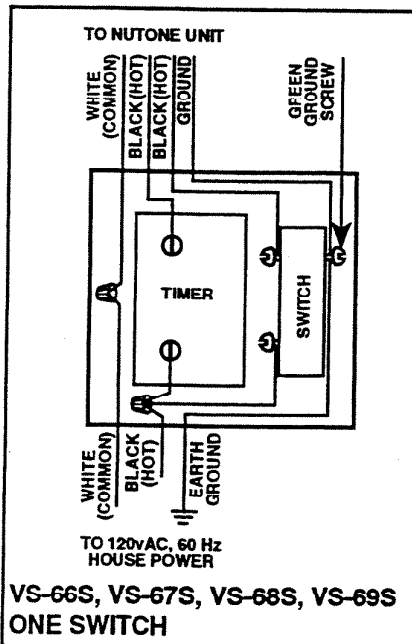
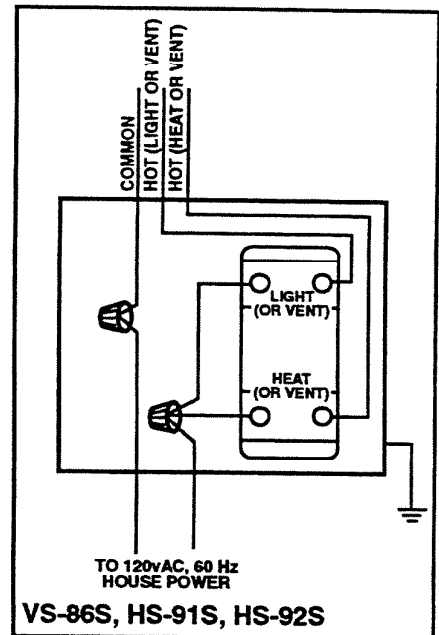
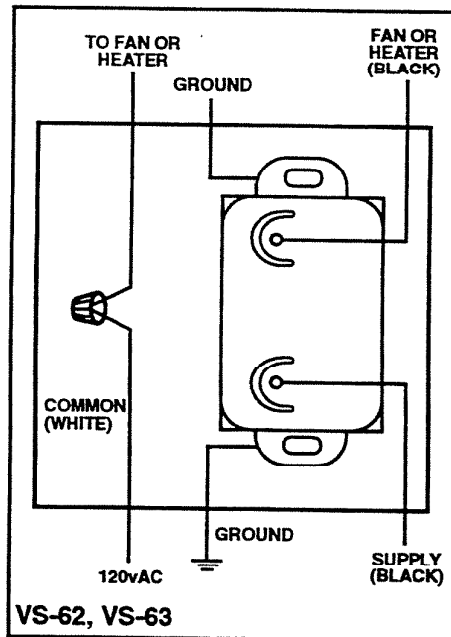
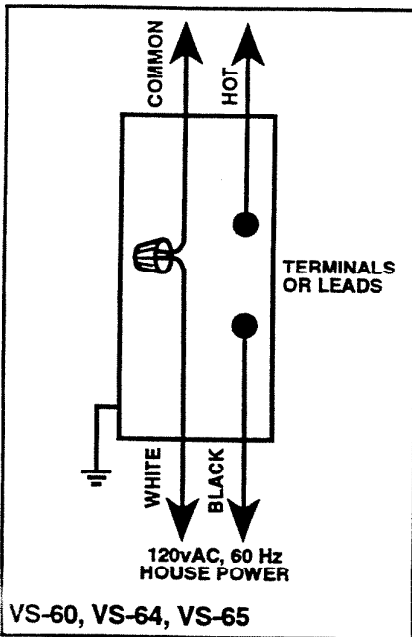
## WALL SWITCHES – for Whole-House Ventilators

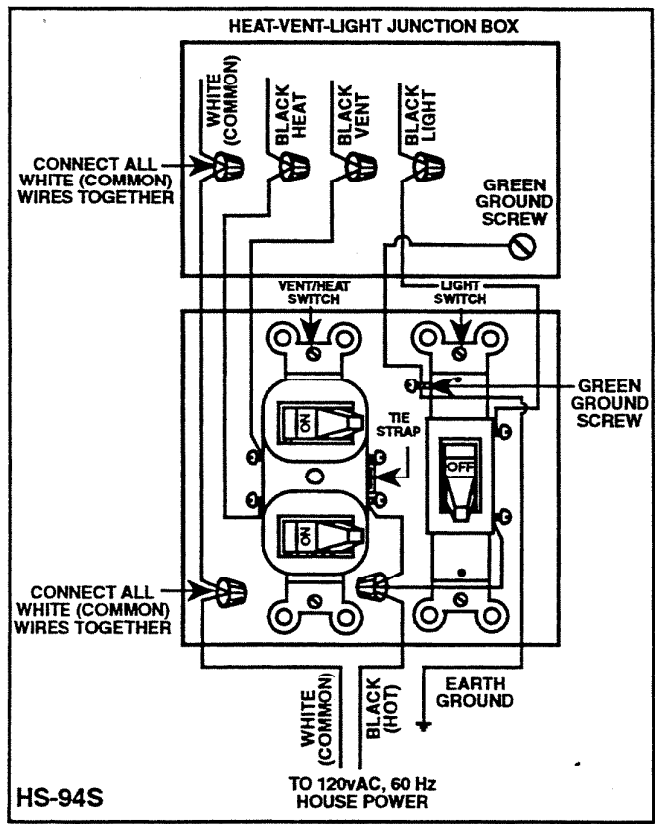
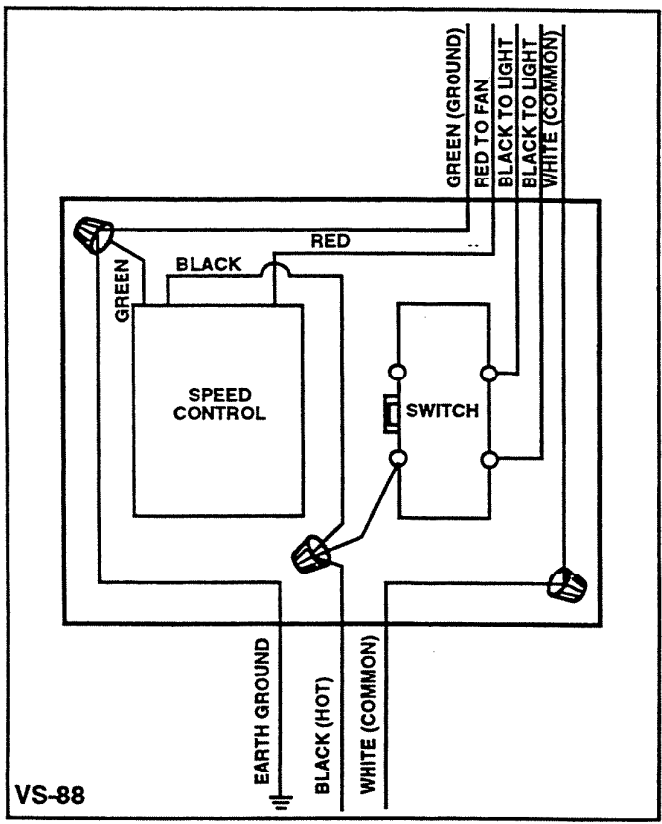
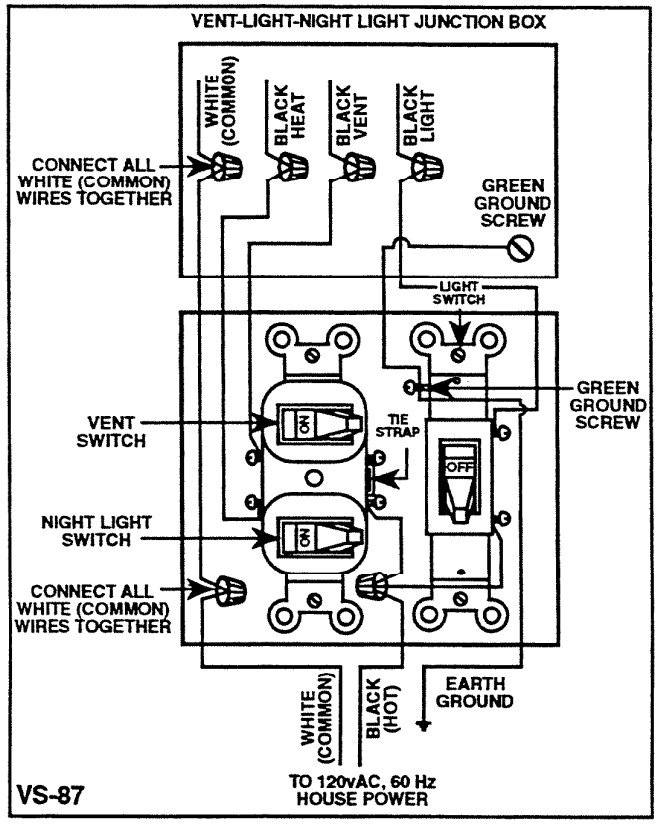
- CFS-2T:** Toggle Switch/Timer. Combines a toggle switch for high and low plus a 12-hour timer which turns the fan on and permits setting the number of hours wanted to operate before shutting off automatically.
- CFS-2:** Setting for high, low and off.
- CFT-12:** 12-hour Timer Control. Turns the fan on and indicates the length of time before automatically shutting the unit off.
- CFVS-1N:** For **WHV-20 Only**. Variable Speed Control. Permits operation of fan at an infinity of speeds from high to low. 10.0 amps.

## WALL SWITCHES – for Paddle Fans

- Each switch controls one fan.
- PFCSW-5:** Five position Fan-only Switch. Rotary dial with settings of high medium-high, medium-low, low and off. Wall plate not included; use with standard single or multiple-type switch plate cover. For use with all 42", 48", 52" and 56" fans except computerized models.
- PFCSW-5P:** Same switch as above but includes wall plate marked with speed settings – High, medium high, medium-low, low and off.
- PFCSW-5L:** Same switch as PFCSW-5 but includes separate light switch and wall plate marked with speed settings.

## SAMPLE WIRING DIAGRAMS





## QUALITY ASSURANCE

NuTone accessory switches meet or exceed applicable requirements of Underwriters' Laboratories, Inc.



## INSTALLATION

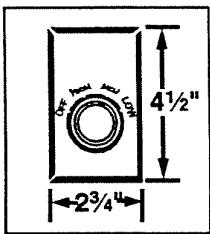
A single-gang or double-gang, 3" deep outlet box is installed for mounting of the switch. All wiring to switch must comply with local electrical codes. Toggle switches have self-locking 'quickwire' terminals; other switches have screw terminals or leads. Refer to wiring diagrams. Installation Instructions are included with each unit.

## ARCHITECT'S SPECIFICATIONS

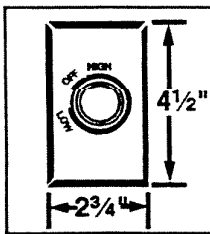
Accessory Switch shall be Model (specify) as manufactured by NuTone, according to the following specifications:

- Rating – (specify for specific switch)
- Material & Finish – (specify)
- Mounting – (specify singly or double gang box)

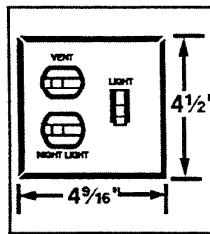
## DIMENSIONS



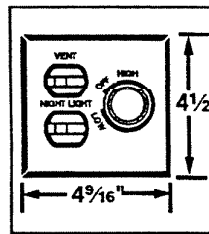
VS-60



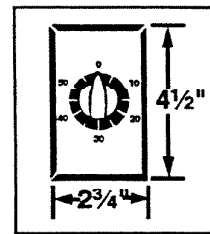
VS-64, VS-65



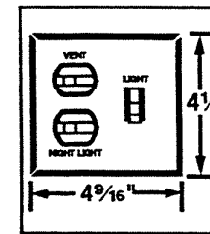
VS-87



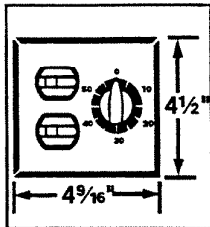
VS-88



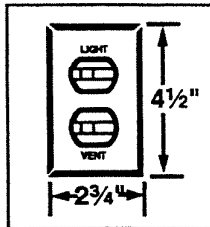
VS-62, VS-63



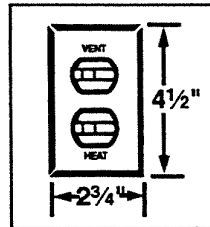
VS-66S, VS-68S



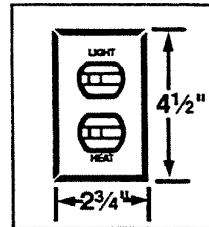
VS-87S, VS-69S



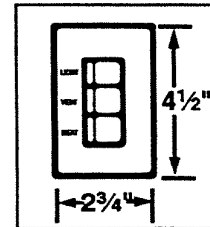
VS-86S



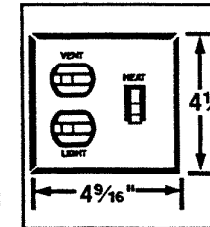
HS-91S



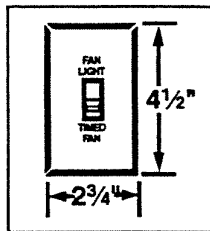
HS-92S



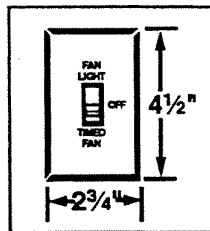
HS-93



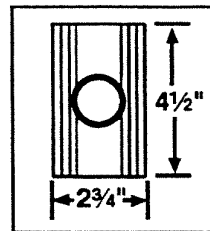
HS-94S



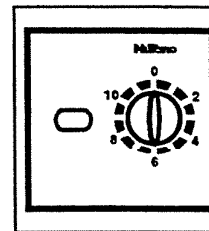
TDS-2



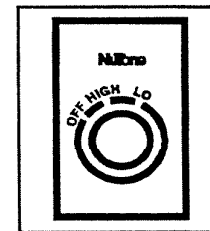
TDS-3



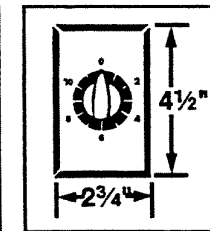
CFVS-1N



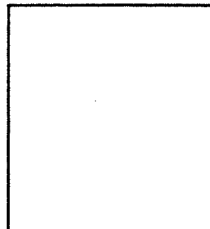
CFS-2T



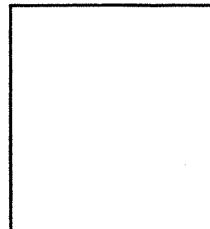
CFS-2



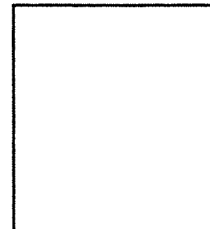
CFT-12



PFCSW-5



PFCSW-5P



PFCSW-5L

Product specifications subject to change without notice.

# NuTone

Madison and Red Bank Roads, Cincinnati, Ohio 45227  
Printed in U.S.A., Rev. 5/93

## INSTALLATION INSTRUCTIONS

NuTone

# 3-Speed Switch

### MODELS VS-60 & VS-61

**VS-60** For use with all NuTone Kitchen and Bath Ventilators, except Models 8060, 8070, 606, 607, and Pull Chain Models

**VS-61** For use with Models 8060, 8070, 606, and 607

This unit is a combination wall switch and speed control to be used with the NuTone ventilating fans. It is mounted on a wall plate to fit a standard single outlet box  $2\frac{1}{2}$  inches deep with square corners. Screws are supplied for attaching the switch assembly to the outlet box.

If possible only one pair of wires should be brought into the box housing the speed control per wiring diagram on this sheet.

Use box connector to hold house lines in outlet box. The speed control has two leads for easy attachment to house lines.

The Speed Control unit *must* be installed on the ungrounded side of the line.

