

INSTALLATION & INSTRUCTIONS

INLINE AXIAL FAN

Model No. SF100S	SF100T
SF125S	SF125T
SF150S	SF150T



Read this manual and follow all safety recommendation
and operating instructions before operating

SAVE THIS MANUAL FOR FUTURE REFERENCE

READ CAREFULLY BEFORE ATTEMPTING TO ASSEMBLE, INSTALL, OPERATE OR MAINTAIN THE PRODUCT DESCRIBED. PROTECT YOURSELF AND OTHERS BY OBSERVING ALL SAFETY INFORMATION. FAILURE TO COMPLY WITH INSTRUCTIONS COULD RESULT IN PERSONAL INJURY AND/OR PROPERTY DAMAGE!

GENERAL SAFETY INFORMATION

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock and injury to person, including the following:

WARNING: DO NOT CONNECT POWER SUPPLY UNTIL FAN IS COMPLETELY INSTALLED. MAKE SURE ELECTRICAL SERVICE TO THE FAN IS LOCKED IN OFF POSITION.

1. Read all instructions before installing or using exhaust fan.
2. Use this unit only in the manner intended by the manufacturer. If you have questions, contact the manufacturer.
3. Before servicing or cleaning the unit, switch power off at service panel and lock the service disconnecting means to prevent power from being switched on accidentally. When the service disconnecting means cannot be locked, securely fasten a prominent warning device, such as a tag, to the service panel.
4. Installation work and electrical wiring must be done by qualified person(s) in accordance with all applicable codes and standards, including fire-related construction.

5. Sufficient air is needed for proper combustion and exhausting of gases through the flue (chimney) of fuel burning equipment to prevent back drafting. Follow the heating equipment manufacturer's guideline and safety standards such as those published by the Build Code of local , and the local council regulations,

CAUTION: FOR GENERAL VENTILATING USE ONLY. DO NOT USE TO EXHAUST
HAZARDOUS OR EXPLOSIVE MATERIALS AND VAPORS.

6. When cutting or drilling into wall or ceiling, do not damage electrical wiring and other hidden utilities.
7. This unit has rotating parts and safety precautions should be exercised during installation, operation and maintenance.
8. Guards must be installed when fan is within reach of personnel or within 2.3 meters of working level or when deemed advisable for safety.
9. NEVER place a switch where it can be reached from a tub or shower.
10. Do not insert or allow fingers or foreign objects to enter the motor.

WARNING: DO NOT USE IN KITCHENS

Safety Warnings

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the followings:

- To prevent fire or shock hazard, DO NOT expose this appliance to rain or moisture.
- Dangerous high voltages are present inside the motor enclosure. To avoid electric shock, DO NOT open the motor enclosure. Refer all servicing to qualified personnel only.
- Ensure the fan is not placed near drapes, curtains, or any objects that may be drawn into the fan.
- To protect against fire, electrical shock and injury to persons, do not immerse the unit, plug or cord in water or spray it with liquids.
- No naked flames sources, such as candles, should be placed on the product.
- Ventilation should not be impeded by covering the ventilation openings. Slots and opening are provided for ventilation to ensure reliable operation of the product and to protect it from overheating.

- Place the fan on a stable level surface when operating to avoid overturning.
- Only connect to a suitably AC 220-240V~50Hz.
- Do not operate fan in the presence of explosive and/or flammable fumes. Do not place the fan or any parts near an open flame, cooking or other heating appliance.
- Precautions must be taken to prevent backflow of gasses into the room from the open flue of gas or other fuel-burning appliances.
- Do not operate the fan with a damaged cord or plug, after a malfunction or if there is dropped or damaged in any manner.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- Switch the fan OFF when it is not in use, when moving fan from one location to another and before cleaning.
- Do not attempt to repair, disassemble or modify the appliance. There are no user-serviceable parts inside.

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INSTALLATION INSTRUCTIONS

CAUTION: MAKE SURE POWER IS SWITCHED OFF AT SERVICE PANEL BEFORE STARTING INSTALLATION.

NOTE: THIS EXHAUST FAN IS FITTED WITH A SUPPLY CABLE, THUS THERE IS NO NEED TO OPEN THE FAN FOR WIRING.

NOTE: FOR BEST PERFORMANCE, THE LOCATION OF THE INLET AND OUTLET VENT SHOULD BE WITHIN 6M IN DUCT LENGTH.

Preparing for Fan Installation

1. When selecting fan mounting location, the following criteria should be considered:

a) Mounting to minimize noise generated by fan operation:

Mounting the fan as far as possible from the intake point will minimize fan operating noise from being transmitted back through the duct work. If the fan is to be used as a booster for moving the air between two rooms, a central point along the duct may be optimal.

b) Service accessibility: Fan location should allow sufficient access for service.

Installing the Fan

Using the screws provided, Secure the fixing plastic bracket to a suitable surface, joist, or structure made for the fan.

Ensure the direction of the airflow is correct when securing the fan. Make sure the supply cable is within reach of the mains socket outlet.

Note: Fan mounting can be at any point along the duct.

TIPS: If the outlet is to another room, then the fan should be in the middle of the duct to reduce fan noise. If the outlet vent is to outdoor, then position the fan near the outlet to prevent back draw of outdoor air.

For best performance, place the fan motor as close to the outlet as possible. These fans pull air better than they push it.

Please pay attention to the direction of airflow sticker located on the fan. (see Fig.2)

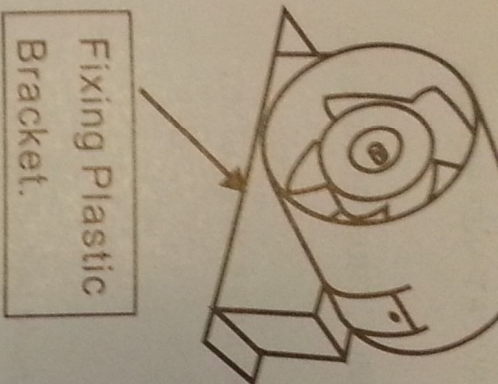
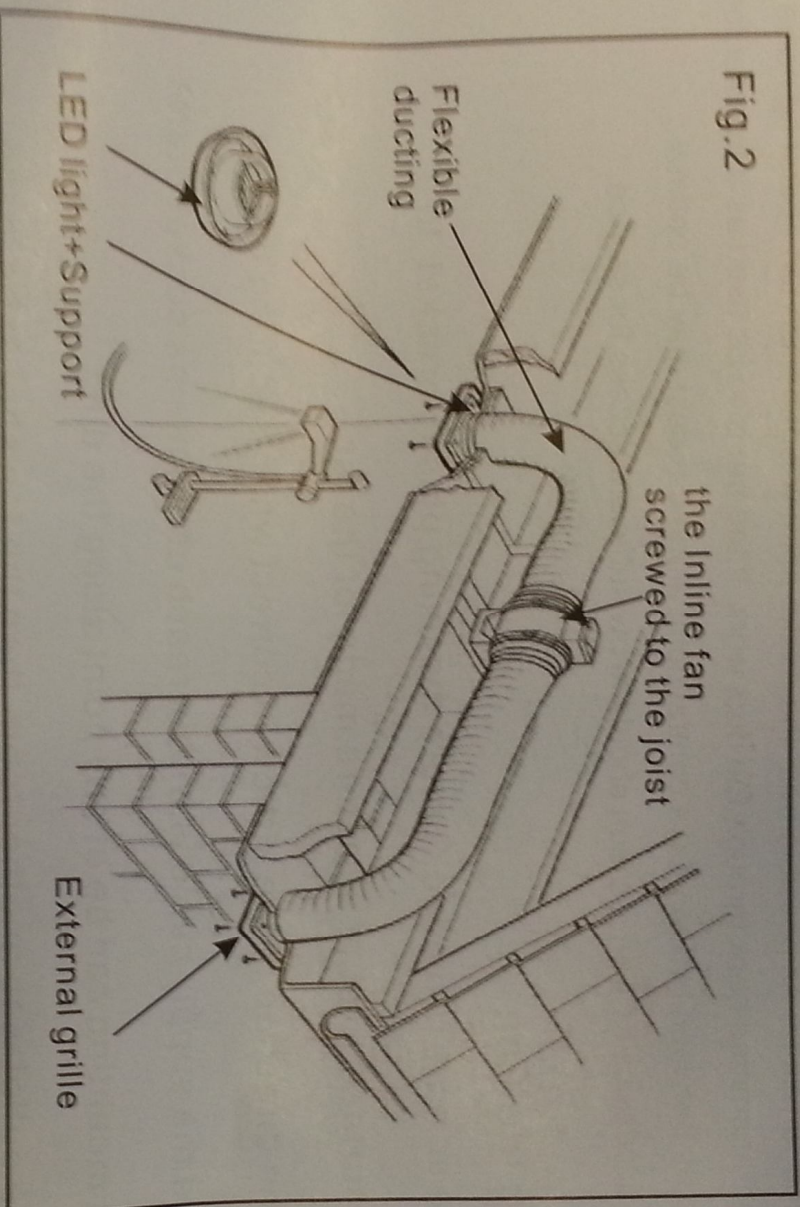


Fig.2



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SPECIFICATION

Model	Rated voltage (VAC)	Input (W)	Air-Flow (m ³ /h)	Size (mm)
SF100T	220-240	15	100	100
SF125T	220-240	20	210	120
SF150T	220-240	25	250	150
SF100S	220-240	15	100	100
SF125S	220-240	20	210	120
SF150S	220-240	25	250	150

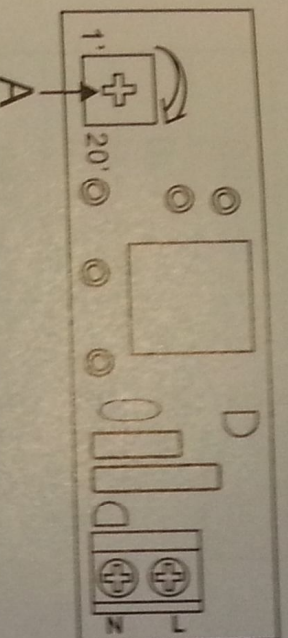
MAINTENANCE & SERVICE

Before carrying out any maintenance, ensure the power is switched OFF from the main power supply.

1. Wipe down the fascia and grilles with a wet soapy cloth only. Do not allow water to contact electrical part, such as motor.
2. Never use petrol, benzene, thinner or any other such chemicals for cleaning the ventilating fan.
3. Do not immerse resin parts into hot water over 60°C.
4. Do not place hot objects near or install nearby hot appliances.

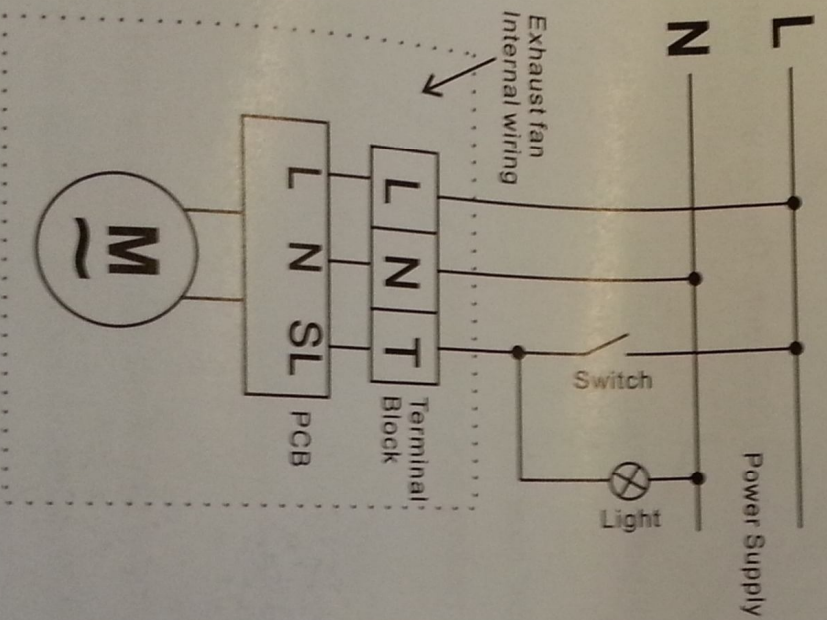
HOW TO OPERATING FUNCTIONS OF THE TIMER **For model SF100T/SF125T/SF150T**

Please no/off with the switch, Fan switches off immediately when the overrun time expires after the switch has been operated. Overtime: approx. 1...20 min. (Knob:A)



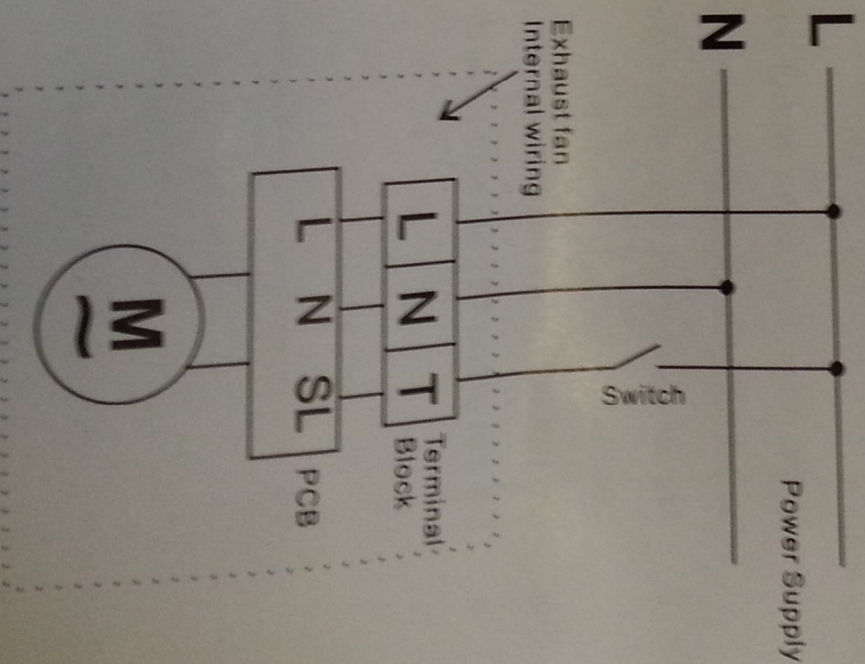
A). WITH LIGHT

TIMER or HUMIDITY WIRING CONNECTION

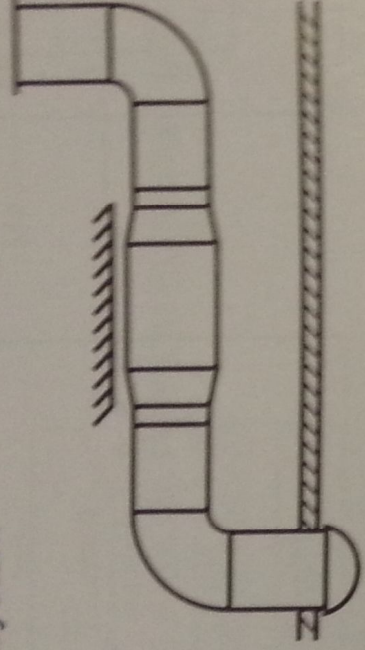


B). WITHOUT LIGHT

TIMER or HUMIDITY WIRING CONNECTION



- Single Point Exhaust System



- Multi-Point Exhaust System

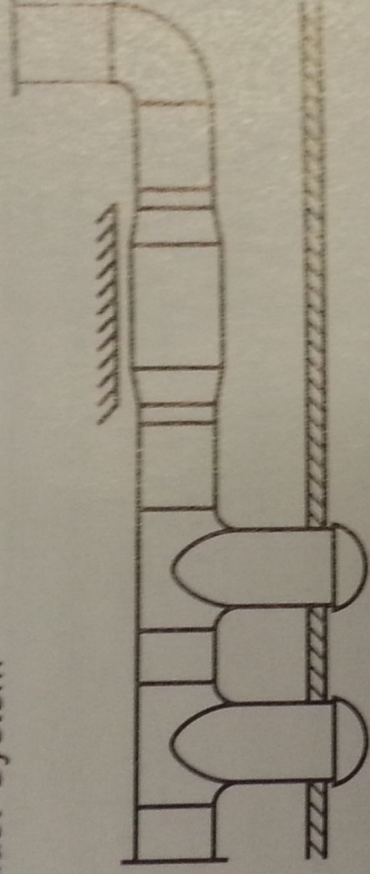


Figure 2. Installing:

1. To install the unit the fan motor wheel assembly must first be removed. Loosen the two spring clips around the casing and remove.
2. Secure the mounting bracket fan flange assembly to a fixed structure.
3. Replace the fan motor wheel assembly and tighten the two spring clips to secure the product.

