

ACCEPTANCE CERTIFICATE

The TF fan has been duly certified as serviceable.

- TF80 TF110 TF150
- TF80L TF110L

Manufactured on (date): _____

Date of sale: _____

Sold by: _____
(name of trading enterprise, stamp of store)

CONNECTION CERTIFICATE

Company name: _____

Electrician name: _____

Date: _____ Signature: _____

Due to constant product improvements, some models may differ slightly from those portrayed in this manual.

TF FANS-I&M-1805

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Installation & Maintenance



TF TRANQUIL BATHROOM FANS

READ AND SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE

SAFETY INSTRUCTIONS

NOTICE TF fans are not explosion proof and should not be used when a potentially explosive situation exists.

1. Ensure that the electrical service to the fan is locked in the "OFF" position. Do not re-establish power supply until fan and activation device are completely installed.
2. TF fans are not suitable for use in cooking areas.
3. This unit has rotating parts! Safety precautions must be exercised during installation, operation and maintenance. Turn impeller by hand to make sure it rotates freely.
4. For general ventilation use only. Do not use to exhaust hazardous or explosive materials and vapors.
5. To reduce the risk of fire, electric shock, or injury to persons — observe the following:
 - a. Use this unit only in the manner intended by the manufacturer. If you have questions, contact the factory.
 - b. A qualified person(s) must perform installation work and electrical wiring in accordance with all applicable codes and standards, including fire-rated construction.
 - c. The combustion airflow needed for safe operation of fuel burning equipment may be affected by this unit's operation. Follow the heating equipment manufacturer's guidelines and safety standards as published by the National Fire Protection Association (NFPA), the American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE), and local code authorities.
 - d. When cutting or drilling into walls or ceilings, take care not to damage electrical wires or other hidden utilities.
 - e. Ducted fans must always be vented to the outdoors when used to exhaust moist/humid air.
6. Check voltage at the fan to see that it corresponds to the motor nameplate.
7. TF fans are suitable for installation over a shower or tub when installed in a GFCI (Ground Fault Circuit Interrupter) protected branch circuit. This unit must be grounded.
8. The fan must not be installed in a ceiling that is thermally insulated to a value greater than R40.
9. If fan is mounted at an angle, duct connector must point up. Do not mount this fan in a wall.

WARNING To reduce the risk of fire or electric shock, do not use this fan with any solid-state speed control device.

TROUBLESHOOTING

WARNING Only qualified personnel should work on electrical equipment. Working on or near energized equipment could result in death or serious injury.

1. If the fan fails to start, consult wiring diagram to ensure proper connection.
2. Check the incoming supply for proper voltage.
3. Ensure that the electrical service to the fan is locked in the "OFF" position.
4. Use a meter to test for continuity across the fan motor leads.
5. If the motor leads show continuity, rewire the fan.
6. Turn on the electrical supply and restart.
7. If the fan fails to start, please contact factory.

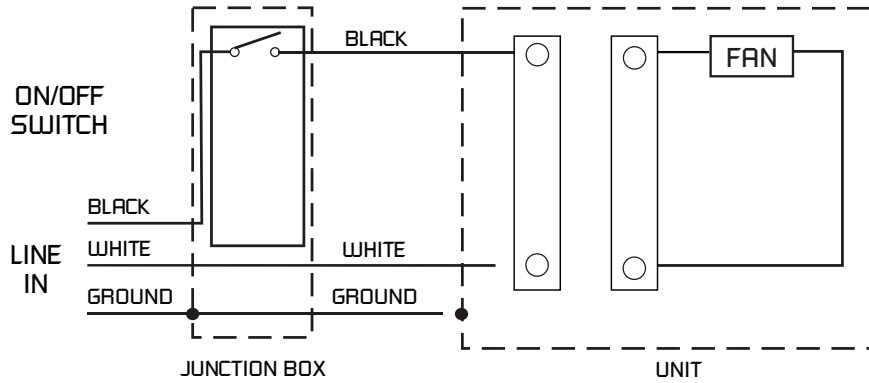
RECOMMENDED MAINTENANCE

WARNING Disconnect and lock out power supply before performing any maintenance. Working on or near energized equipment could result in death or serious injury.

1. The motor is permanently lubricated. No additional lubrication is necessary.
2. Periodic inspection, based upon usage, should be performed to ensure that the fan impeller is not obstructed. The fan should be inspected a minimum of every six (6) months.
3. Excessive fan noise or vibration may indicate an obstructed impeller.
4. To inspect and clean impeller:
 - a) Remove the grille from the fan and remove any obstruction from the impeller.
 - b) Vacuum the interior of the unit.
 - c) Reconnect the grille to the fan.
 - d) Turn power supply on.

WIRING DIAGRAM

MODELS: TF80, TF110, & TF150



TF TRANQUIL BATHROOM FANS

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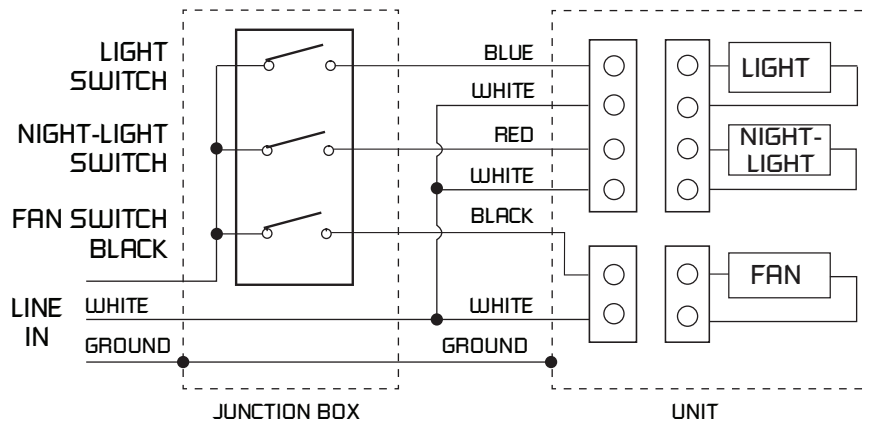
The delivery set includes:

- Housing & motor/blower assembly -1
- Duct connector - 2 (1- 4" & 1 - 6")
- Hanger bar - 4
- Grille - 1



WIRING DIAGRAM

LIGHTED MODELS: TF80L & TF110L



LIGHTED MODELS: TF80L & TF110L

The delivery set includes:

- Housing & motor/blower assembly -1
- Duct connector - 2 (1- 4" & 1 - 6")
- Hanger bar - 4
- Lens - 1
- Grille - 1



NOTE: The fan, light, and night-light can be operated separately using a 3-function wall control. See page 6 for wiring details.

FAN INSTALLATION

⚠ WARNING Disconnect and lock out power supply before performing any installation work. Working on or near energized equipment could result in death or serious injury.

STEP 1. INSTALL HOUSING (A or B)

A) Fasten to Joist

Position the housing so the bottom edge is flush with the finished ceiling. Secure with four (4) screws (Figure 1).

B) Hanger Bars

Hanger bars span up to 24 inches and can be used on all types of framing. Slide hanger bars onto the housing and adjust to fit between framing (Figure 2). Position the tabs of hanger bars level with bottom of framing and secure. Secure the hanger bars using flange screws (Figure 3).

STEP 2. INSTALL DUCT CONNECTOR & DUCT

Attach damper/duct connector to fan housing (Figure 4). The connector must be flush with the top of the housing, and the damper flap should fall closed. Using the recommended duct size, connect duct to the damper/duct connector (Figure 5), and run duct to an exterior roof or wall cap using the shortest, straightest duct routing possible (Figure 6). Ensure all duct connections are airtight.

STEP 3. CONNECT WIRING

Refer to wiring diagrams on page 6. Reattach all electrical box covers before applying power.

STEP 4. INSTALL GRILLE

A) Models: TF80, TF110, & TF150

Pinch the springs on the sides of grille and insert them into the slots in the housing. Firmly push the grille against the ceiling to secure (Figure 7).

B) Lighted Models: TF80L & TF110L

Insert the light plug from the grille assembly into the wire panel. Pinch the grille springs on the sides of the grille, and position the grille into the housing with the grille springs into the slots in the housing. Push the grille toward the ceiling to secure (Figure 8). Carefully remove the light lens by inserting a small, flathead screwdriver between the grille and lens. Install a 26W maximum fluorescent bulb and a 4W incandescent night-light bulb. Replace the lens.

FAN INSTALLATION

