Weatherproof Super Stanker™

REVISION **C**

Outdoor Industrial / Commercial Sewer Tank / Vent Pipe Fan

GENERAL INFORMATION — Super Stanker™ is designed to create a slight vacuum inside sewage holding tanks and drain pipes that helps prevent odor infiltration into living areas. The fan's enclosure has the same outside dimensions as 4" Schedule 40 drain pipe, allowing it to be used with a pair of standard 4" rubber drain couplers (Fernco #1056-44 or similar) for easy attachment to 4" vent pipes. Other rubber coupler sizes can be used to adapt the fan for use with smaller vent pipe sizes. The fan can be mounted at any point along the vent pipe's run, at any angle — even upside-down.

The Weatherproof version is suitable for outdoor installation - It includes a weatherproof junction box that contains (1.) a 120/240VAC to 12VDC power supply which operates the fan motor on safe, low-voltage DC power, and (2.) a fan monitor circuit that constantly measures the fan motor's speed, sounding a warning beeper and flashing an indicator LED if the motor stalls. The fan motor is user-replaceable, with replacements are available from the factory. A coupler is included for attaching 1/2" non-metallic liquid-tight conduit (user-supplied) to the junction box, thereby providing a weather tight method of supplying AC power to the unit.

STEP-BY-STEP INSTALLATION INSTRUCTIONS

1.

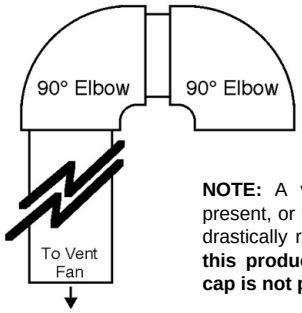
STEP 1: Determine the best mounting location for the fan (i.e., easy maintenance access to the vent pipe, and a nearby source of 120/240 VAC electrical power).

Note that the fan must be installed "downwind" of any sewage feeder pipes, and must be located high enough to avoid direct exposure to liquids.

WARNING: DISCONNECT AC POWER BEFORE INSTALLING OR SERVICING THIS UNIT.

2.

STEP 2: If not already present, install a roof-mounted vent pipe cap, in order to keep debris and rainwater from falling down into the fan. A simple vent pipe cap can be made by cementing two 90 degree PVC elbows together, arranged so that the open end of the 2nd elbow faces downward:



NOTE: A vent pipe cap **MUST** be present, or the motor's lifespan will be drastically reduced. **The warranty on this product is void if a vent pipe cap is not present.**

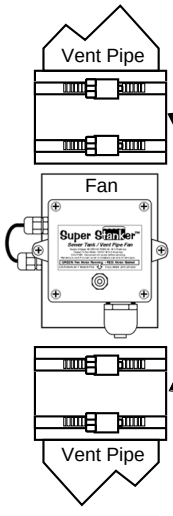
3.

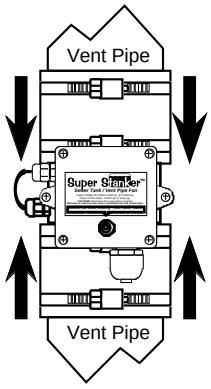
STEP 3: Cut a 6-1/4" inch (160 MM) section out of the vent pipe at your intended installation point (use the Vent Pipe Cutting Gauge shown at right to measure the proper distance). **CAUTION: Make sure the vent pipe is adequately supported from above before cutting it!** Save this pipe section for temporary use when servicing the fan.

4.

STEP 4: Trim away any rough edges on both ends of the open vent pipe, and slip a rubber drain coupler over each of them. Next, slide the fan in place over the pipe ends (oriented so that the AIR FLOW arrow points toward the end of the vent pipe on the roof), slide the drain couplers into position (each coupler covering approx 2 inches of the fan enclosure), and tighten the hose clamps on the couplers.

TIP: To make drain coupler installation easier, warm them up first, or spray their inside surfaces with silicone lubricant.





NOTES:

1. 4" Drain Couplers are shown; installation is identical for other sizes.

2. Installing the fan with PVC pipe cement is not recommended, since it would hinder any future attempts to remove the fan for repairs or cleaning.

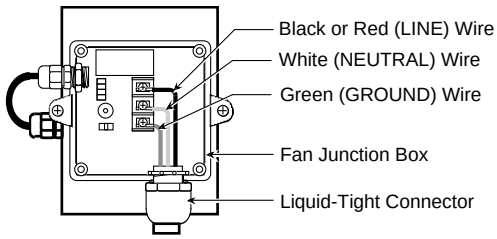
5.

STEP 5: After routing AC power supply wires inside 1/2" liquid-tight non-metallic conduit up to the outside of the fan junction box, open the junction box cover by removing the 4 screws on the front.

Unscrew the outside collar of the liquid-tight connector, slide it over the ends of your AC power supply wires, and then insert your wires through the inner collar of the liquid-tight connector, so that your wire ends are inside the box.

Push the end of your liquid-tight conduit over the bottom end of the inner collar, and thread the outer collar around the inner collar, tightening it firmly.

Next, trim your AC power wires just short enough to reach the 3 screws on the large AC supply terminals inside the junction box. Strip approx. 3/8" (10mm) of insulation off each wire, insert it under the appropriate AC supply terminal screw, and tighten the screw to secure it:



If operation of the warning beeper is not desired, connect a wire between terminals B and D on the small 4-pin fan motor DC supply connector. Plug the free end of the LED indicator cable into its mating 3-pin connector in the junction box, and then re-install the box cover with the 4 screws and gasket.

Turn on power to your AC supply wires, and check for normal fan operation (green indicator lit). This completes the installation procedure.

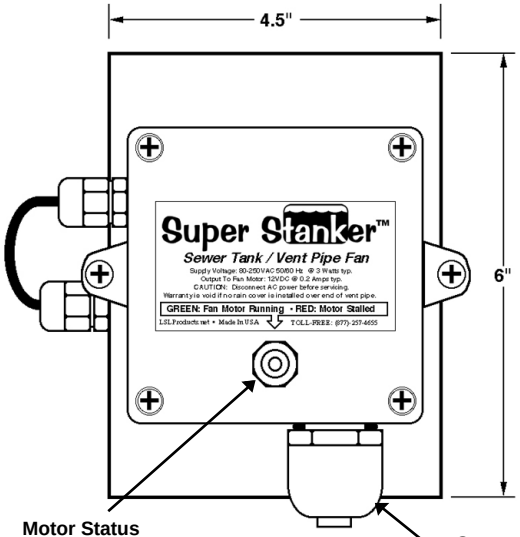
OPERATION — The LED indicator on the outside of the junction box glows green whenever the fan motor is operating at an adequate speed. If the fan motor stalls, the indicator LED will flash red instead, and the piezo beeper will sound approx. every 1 second (unless disabled as described in Step 5 above).

TROUBLE-SHOOTING — If the Fan Monitor indicates that the motor is stalled, shut off AC power, remove the fan from the vent pipe (temporarily re-installing the original piece of pipe in its place), and inspect the fan blades for any debris or other obstructions. If no obstructions are found, replace the Fan Motor Assembly inside the unit.

This product is warranted for ONE YEAR against defects in materials and workmanship. Please contact LSL Products to obtain warranty service.

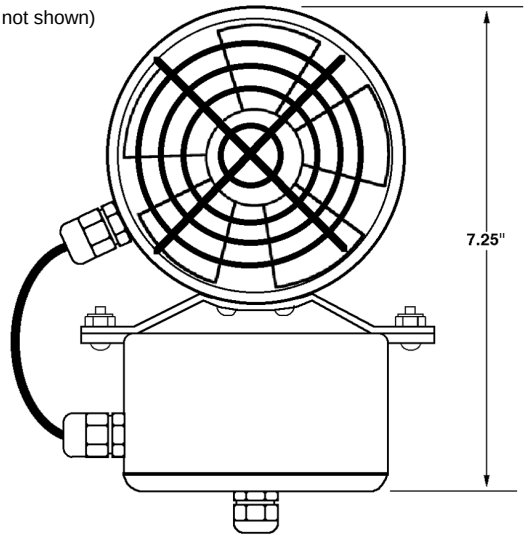
REV. C SPECIFICATIONS (WEATHERPROOF VERSION)

Supply Voltage:	**100 - 240 VAC 50/60 Hz**	**Noise Level:**	**27 dBA @ 36"**
Fan Motor Voltage:	**12.0 VDC**	**Weight:**	**22 Ounces**
Running Wattage:	**5 Watts Max. @ 120 VAC**	**Motor Type:**	**DC Brushless, Ball Bearings**
Air Flow:	**52 CFM (Free-Air)**	**Duty Cycle:**	**Continuous**



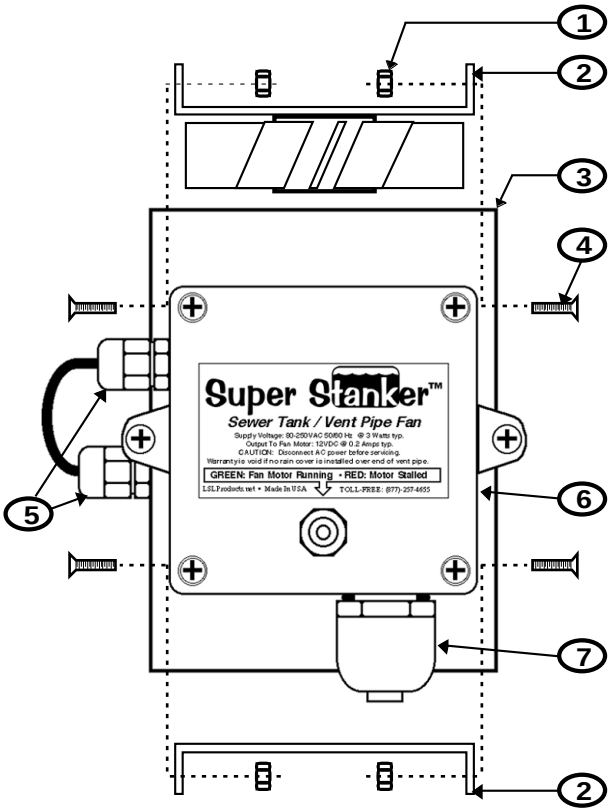
SIDE VIEW

(Note: Rubber Drain Couplers not shown)



TOP VIEW

REV. C (WEATHERPROOF VERSION) PARTS DIAGRAM



ITEM	QTY.	DESCRIPTION
1	9	Nylock Nut, 18-8 SS, #8-32
2	1	Fan Motor Assy. w/Grills
3	1	Enclosure
4	8	Screw, 18-8 SS, #8-38 x 1" Flush
5	2	Strain Relief, Airtight
6	1	Fan Junction Box / DC Power Supply
7	1	Liquid-Tight Conduit Coupler, 1/2"