EPF-RME Series

Explosion Proof Exhaust Fan

INSTRUCTION MANUAL

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EPF-RME Series Explosion Proof Exhaust Fan
C1D1&2 - C2D1&2 - Roof Mounted
Instruction Manual

Thank you for your purchase of a Larson Electronics EPF-RME series explosion proof fan.

WARNING

Standard Warning (General)

WARNING:

READ CAREFULLY BEFORE INSTALLING FIXTURE. RETAIN THESE INSTRUCTIONS FOR FUTURE REFERENCE.
CRITICAL SAFETY INSTRUCTIONS:

- INSTALLATION SHOULD ONLY BE CONDUCTED BY A QUALIFIED ELECTRICIAN IN ACCORDANCE WITH NEC AND ANY RELEVANT LOCAL BUILDING CODES.
- RISK OF FIRE OR ELECTRIC SHOCK. FIXTURE INSTALLATION REQUIRES KNOWLEDGE OF FIXTURE'S ELECTRICAL SYSTEMS. IF NOT QUALIFIED, CONTACT A QUALIFIED ELECTRICIAN.
- BE CERTAIN ELECTRICAL POWER IS OFF BEFORE AND DURING INSTALLATION AND MAINTENANCE.
- MAKE SURE THE SUPPLY VOLTAGE IS THE SAME AS THE FIXTURE'S RATED VOLTAGE.
- TO PREVENT WIRING DAMAGE OR ABRASION, DO NOT EXPOSE WIRING TO EDGES OF SHEET METAL OR SHARP OBJECTS. SUITABLE FOR DAMP LOCATIONS.

WARNING: MAKE SURE POWER IS TURNED **OFF** BEFORE STARTING THE INSTALLATION OR PERFORMING ANY MAINTENANCE.

RISK OF FIRE/ELECTRIC SHOCK – DISCONNECT POWER AT BREAKER BEFORE INSTALLING OR SERVICING.
RISK OF PERSONAL INJURY – FIXTURE MAY BECOME UNSTABLE OR DAMAGED IF NOT INSTALLED PROPERLY.
RISK OF BURN – ALLOW FIXTURE TO COOL BEFORE SERVICING.

Explosion Proof Warnings (General)

WARNING

TO AVOID THE RISK OF FIRE, EXPLOSION OR ELECTRIC SHOCK, THIS PRODUCT SHOULD BE INSTALLED, INSPECTED AND MAINTAINED BY A QUALIFIED ELECTRICIAN ONLY, IN ACCORDANCE WITH ALL APPLICABLE ELECTRICAL CODES.

TO AVOID ELECTRIC SHOCK:

- BE CERTAIN ELECTRICAL POWER IS OFF BEFORE AND DURING INSTALLATION AND MAINTENANCE.
- PRODUCT MUST BE CONNECTED TO A WIRING SYSTEM WITH AN EQUIPMENT-GROUNDING CONDUCTOR.

TO AVOID EXPLOSION:

- MAKE SURE THE SUPPLY VOLTAGE IS WITHIN THE VOLTAGE RATING.
- ENSURE THE MARKED T RATING IS LESS THAN THE IGNITION TEMPERATURE OF THE HAZARDOUS ATMOSPHERE.
- DO NOT OPERATE IN AMBIENT TEMPERATURES ABOVE THOSE INDICATED ON THE PRODUCT NAMEPLATE.
- DO NOT OPERATE IF THE LENS, CORD, SEALS, HOUSING, RECEPTACLES, ETC. IS CRACKED OR DAMAGED. IF SO, DISCONTINUE USE AND CONTACT MANUFACTURER FOR REPLACEMENT PARTS.
- ALL FASTENERS SHOULD BE PROPERLY SEATED.

GENERAL INSTRUCTIONS

This fan is completely assembled, tested and ready for installation when shipped from the factory. It is for general ventilation use only. Do not use to exhaust dirt, dust, grease, or lint-laden air.

Vibration or jarring in transit may cause loosening of bolts, nuts, and set-screws or misalignment of the propeller. Check these items before installing the fans.

Mount fan only for upward discharge (up to vertical). Downward discharge requires addition of a propeller retainer for completely safe operation.

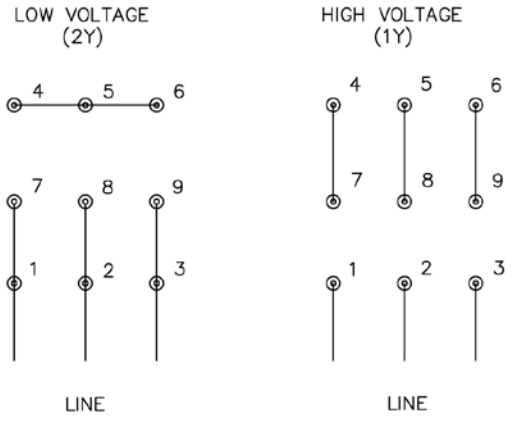
Propeller blades must be cleaned periodically to prevent accumulated dirt from causing unbalance.

LUBRICATION:- Motors are equipped with pre-lubricated ball bearings. The original supply of grease is kept free from dirt, grit or outside contamination by the bearing seals and, under normal operating conditions, does not require replenishment for the life of the bearing.

WARNING: We strongly recommend that only a licensed electrician install this product.

LINE CONNECTIONS:- Connect the motors of all fans according to the diagrams inside the terminal box cover or on the nameplate. **BE SURE TO CONNECT FOR THE VOLTAGE, FREQUENCY AND PHASE TO BE USED.**

Dual-voltage single phase motors are factory-connected for 230 volt lines. Dual-voltage three-phase motors are factory-connected for 460 volt lines. Provide U.L. recognized electrical overload protection not to exceed 125% of the marked input rating of the fan motor.



SAFE INSTALLATION:- The Occupational Safety and Health Act stipulates that when a fan is mounted less than seven(7) feet above the floor or working level, the blades shall be guarded and the guards shall have openings no larger than one-half (½) inch. These fans require supplementary guards when this requirement must be met.

MAINTENANCE

There are no serviceable parts inside the fixture. However, it is good practice to routinely clean and check the fixture for proper function.

- Disconnect power running to the unit and be sure the fixture is cool to the touch.
- Use a non-abrasive cleaning solution to clean the unit.

USE AND CARE

Unauthorized modification may impair the function and/or safety of this device and could affect the life of the equipment. Always check for damaged or worn out parts before using the device. Store it in a secure place out of the reach of children when not in use. Inspect for good working condition prior to storage and before re-use.

REPLACEMENT PARTS

The EPF-RME series is designed to provide years of reliable performance. Should the need for replacement parts arise, please contact Larson Electronics.

NOTES

THESE INSTRUCTIONS MAY NOT COVER ALL DETAILS OR VARIATIONS OF THIS PRODUCT FOR YOUR EQUIPMENT OR INSTALLATION REQUIREMENTS. SHOULD FURTHER INFORMATION NOT COVERED BY THESE INSTRUCTIONS BE REQUIRED, PLEASE CONTACT LARSON ELECTRONICS BY EMAIL AT SALES@LARSONELECTRONICS.COM OR BY PHONE AT 1-877-348-9680 FOR FURTHER ASSISTANCE.

PLEASE VISIT LARSONELECTRONICS.COM FOR **WARRANTY** AND **RETURN** INFORMATION.