WARREN ELECTRIC HEATER MODEL W3P SERIES	INSTALLATION INSTRUCTIONS Date: 11/13/2023	NORDYNE/REVOLV **PACKAGE UNITS** Q3RA / Q3RC / Q3RD/P3RA / P3RC / P3RD/ GP3RD/ GP5RD Q4SA/Q4SC/Q4SD/P4SA/P4SC/ P4SD/RP7RE/RP94RD/RQ7RE/RQ94RD SIZE 018 - 060

GENERAL

This electric heater series is engineered, designed, and approved to be installed in the (18 through 60) single package units. Before proceeding, check the heater label for correct voltage and KW requirements.

Installation and servicing of this equipment should only be performed by trained and qualified personnel. Before proceeding with the heater installation, inspect thoroughly for shipping damage. Notify the shipper immediately if any damage is found. Check all porcelain insulators for breakage and inspect heater element wire to see that none have been deformed. Clean all dirt, dust and moisture from equipment. Check for proper clearances of live parts, between phases, and to ground. Make sure that all required barriers are in place. Check conductors run in multiple to insure that they are properly wired. Refer to installation instructions for complete unit installation details.

WARNING ⚠

Before performing service or maintenance operations on system, turn off all main power switches. There may be more than one disconnect. Turn off accessory heater power switch if applicable. Electrical shock can cause personal injury. ***TAG DISCONNECT SWITCH(ES) WITH A SUITABLE WARNING LABEL.***

HEATER INSTALLATION

1) Refer to the base unit installation instructions as required. Affix Warren installer label to the equipment access panel.
2) Remove blower section access panel.
3) Remove cover plate(s) in the electrical heat panel and slide heater assembly with the TOP marking towards the top of the unit into the blower section through the access opening. For small frame electric heater installation use the access opening closest to the blower.
4) Secure heater into place with screws removed from cover plate.
5) Remove the conduit knockout in unit cabinet for electrical connections. Install the appropriate size conduit connector.

Important: Use flexible connectors between ductwork and unit to prevent transmission of vibration. Use suitable gaskets to ensure weather tight and airtight seal. If flexible duct is used, insert a sheet metal sleeve inside the duct. Heat resistant duct connector (or sheet metal sleeve) must extend 24-in. from the unit connection flanges into the duct work.

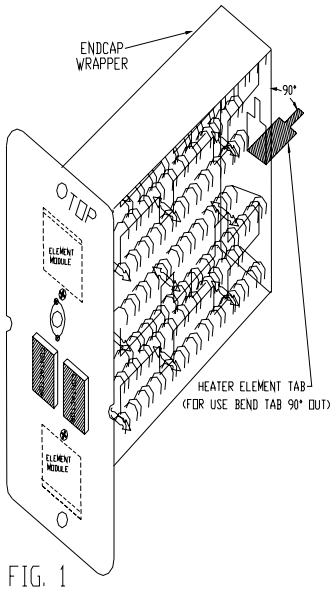

FIG. 1

TERMINAL BLOCKS: Terminal blocks are used with the small package units. The electric heater wire leads are to be connected to the terminal block. Refer to fig.2 for mounting location.

HEATERS WITH CIRCUIT BREAKERS:

***NOTE:** Circuit breakers supplied with the W3P electric heater kits are for short-circuit protection of the internal wiring and to serve as a unit disconnect. Circuit breakers supplied with the W3P electric heater kits do not provide over-current protection of the supply wiring. Over-current protection of the supply wiring must be provided at the distribution panel and sized as shown on the unit data label and per the NEC and applicable local codes. In some cases the over-current protection specified in on the unit data label is less than the 60 amp rating of the circuit breakers used in the W3P electric heater kits. This is because the function of the over-current protection required at the distribution panel (field supplied) and the function of the circuit breakers in the W3P electric heater kit is different.

NOTE: CIRCUIT BREAKERS MUST BE COVERED. COVER PLATE PROVIDED)
CIRCUIT BREAKERS MUST BE SEALED TIGHT TO AVOID ELECTRICAL SHOCK.

1. Install the circuit breaker mounting bracket to the control panel with (4) screws provided.
2. Breaker must be installed with the ON position to the rigth. Install breaker onto the rail by hooking the base of the circuit breaker onto the bracket and snapping it into place.

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ELECTRICAL CONNECTIONS

1. All electrical connections, wire sizes and type and conduit sizes shall meet the National Electric Code, State and Local Codes. Main power supply, minimum wire sizes, circuits, fusing, etc. is shown on schematic wiring diagrams.
   NOTE: Use copper wire only.
2. Refer to base unit instructions for recommended wiring procedures.
3. Connect heater plug to corresponding plug in the air handler.
4. Separate all wires from incoming power leads.
5. Be sure that all electrical terminal connections, clamps, screws, etc. are tight before proceeding.
6. Check wiring diagram supplied with heater for specific connections and information.
7. Check operation as described in start-up section.

CAUTION: Before proceeding, verify that all wiring is correct per factory approved schematic. Notify factory immediately of any discrepancies.

START-UP AND CHECK-OUT

1. Refer to base unit installation instructions as required.
2. Check for loose terminal connections.
3. Check that all fuse and circuit breaker short circuit interrupting ratings are adequate.
4. Turn on unit and heater power.
5. Set thermostat to call for heat.
6. Check operation of heater.
7. Check that air flow across heater is at or above minimum recommended fan speed.
8. Any modification or repairs to this equipment without written permission from the factory will be done at the installer's own risk and expense.

SERVICE

Fuses/Circuit Breaker - Malfunction will interrupt power to unit. *Check for cause of failure, correct, and replace fuses or reset circuit breaker.*

Limit Switch/Fusible Link - Malfunction prevents heating element(s) from being energized. *Replace switch if malfunction occurs.*

USER CAUTION: The use of improperly selected air filters/ and or operation with dirty filters may result in insufficient airflow which may result in abnormal operation of electric heaters and tripping of temperature safety limits. Also, insufficient airflow will degrade the efficiency of the system (SEER rating) and excessive wear and premature failure of the system compressor may result. Other conditions, such as undersized or obstructed ductwork, may also cause insufficient airflow. It is recommended that a qualified technician be consulted to ensure proper airflow and air filtration selection and application. See (**www.lowairflow.com**) for more information.

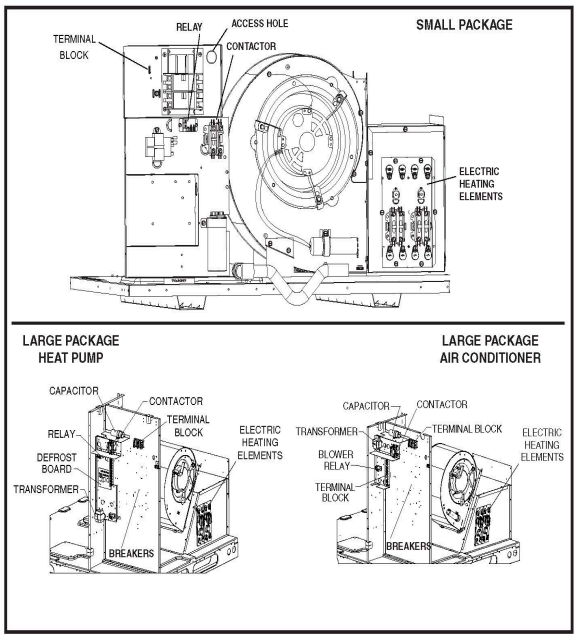

FIG.2

ELECTRIC HEATER PACKAGE CONTENTS

1. Heater assembly
2. Installation Instructions
3. Installer label
4. Schematic