WARREN TECHNOLOGY
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ELECTRIC HEATER MODEL	INSTALLATION INSTRUCTIONS	UNIT MODEL
WCS Series	Date: 8-24-93	Coleman AH10 Series

GENERAL

This Warren Technology electric heater is engineered and designed to be installed in the Coleman AH10 Series. Before proceeding, check the heater label for correct voltage and KW requirements.

Installation and servicing should be performed by trained service personnel. Before installing the heater, 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 phased. Use copper conductors only.

Refer to Manual J, published by Air Conditioning Contractors of American for estimating heating requirements.

WARNING: Disconnect ALL electrical power before installation. Failure to do so may result in electrical shock.

HEATER INSTALLATION

1. Refer to base unit installation instructions as required.

2. Remove access plate of air handler.

3. Remove internal heater cover plate. Save sheet metal screws.

4. Remove the conduit knockout in blower cabinet for electrical connections. Install the appropriate size conduit connector.

5. Install heater assembly into the air handler access opening. Secure with sheet metal screws from cover plate.

ELECTRICAL CONNECTIONS

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

All electrical connections, wire sizes and conduit sizes must comply with the requirements of the National Electric Code, State and Local Codes.

Refer to air handler unit instructions for recommended wiring procedures.

ELECTRICAL CONNECTIONS con't

Heaters with factory installed fuses or circuit breakers may be installed on a branch circuit protected by either a fuse or a circuit breaker. For all other heaters, the branch circuit must be protected by a fuse or a circuit breaker supplied by others.

Make all wire spliced connections inside air handler unit. Separate all wires from incoming power leads.

Check that all electrical terminal connections, clamps, screws, etc. are tight before start-up.

HEATERS WITH CIRCUIT BREAKERS ONLY

Heaters with circuit breakers that do not meet local code requirements for a unit disconnect switch must include a separate disconnect switch(es) located within sight of the unit.

All power within the cabinet will be "off" when circuit breakers are in the "off" position (except for power supply connections to the circuit breaker).

GROUNDING

Permanently ground heaters in accordance with State and Local Codes and the National Electrical Code. For multiple circuit models, connect a ground for each circuit.

OVERCURRENT PROTECTION

Recommended sizes for fuses or circuit breakers are listed in the ELECTRICAL DATA TABLE in the column labeled "Maximum Overcurrent Protection."