



WIRING DIAGRAMS

gas-fired, power vented and separated combustion unit heaters
for models HD/HDB, HDS/HDC, PTS/BTS, PTC



WARNING

1. Fuel supply shall be shut-off and the electrical power disconnected before proceeding with the installation. Failure to do so could result in fire, explosion, electrical shock, or the unit starting suddenly resulting in injury.
2. All units must be wired strictly in accordance with wiring diagram furnished with the unit. Failure to wire this unit according to this wiring diagram could result in a hazard to persons and property. For deviations, contact the factory.
3. All wiring must be done with a wiring material having a temperature rating of at least 105°C.

IMPORTANT

1. The use of this manual is specifically intended for a qualified installation and service agency. All installation and service of these kits must be performed by a qualified installation and service agency.
2. These instructions must also be used in conjunction with the Installation and Service manual originally shipped with the appliance being converted, in addition to any other accompanying component supplier literature which supersedes these instructions.

Diagram Selection

Diagrams are provided for both single and three-phase circuits, and are readily identified in the selection table on page 2. The selection table enables easy selection of the correct wiring diagram after the electrical components of the unit heater have been determined.

NOTE: As indicated in every diagram, all wiring must comply with the National Electrical Code and all local codes. All components must agree with their respective power source.

Abbreviations and Symbols

To facilitate interpretation and enable simplification the abbreviations and symbols have been selected as recommended by ANSI (American National Standards Institute) and NEMA (National Electrical Manufacturers Association) standards.

XFMR or TR	Transformer
H1, H2, etc.	Transformer Primary Terminals
X1, X2, etc.	Transformer Secondary Terminals
V	Volts
Hz	Hertz
Φ	Phase
RC	Relay Contactor Coil
G	Ground
H	Hot
SW	Switch
H	High
LO	Low
C	Common
J Box	Junction Box
SW	Summer/Winter Switch
O.L.C.	Overload Contacts
SPDT	Single Pole Double Throw Switch
DPDT	Double Pole Double Throw Switch
VA	Volt-Ampere
L1, L2, L3	Load Terminals (Connect to Supply Voltage)
T1, T2, T3	Motor or Motor Starter Terminals

Wire Color Coding

BLK	Black
BRN	Brown
BLU	Blue
RED	Red
WHT	White
GRY	Gray
YEL	Yellow

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Modine Manufacturing Company has a continuous product improvement program, and therefore reserves the right to change design and specifications without notice.

Pa150ab Modine Manual

J Dewey



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