

NOTES:

1 WIRING SHOWN IS FOR 480V. FOR 575V MOVE ALL WIRES FROM 480V TERMINAL TO 575V TERMINAL ON TNS1.

2 WIRING SHOWN IS FOR 480V. FOR 575V MOVE ALL WIRES FROM 480V TERMINAL TO 575V TERMINAL ON TNS2.

6 FUSE FUS, FUS2, RELAY XFR, CAPACITOR CFS, CFB AND ASSOCIATED WIRES ARE ONLY USED WITH POWER EXHAUST OPTION.

9 WIRING SHOWN FOR F CONTACTOR AND FCBI IS FOR VAV ALL UNITS EXCEPT THOSE WITH VFD WHEN VARIABLE FREQUENCY DRIVE IS INSTALLED SEE INSET B.

10 WIRING SHOWN IS FOR OPTIONAL COMMUNICATION INTERFACE. COMMUNICATION WIRES FROM BMS TO TCI/LCI ARE TO BE WIRE TIED TO BOTTOM OF THE CONTROL BOX. SEE TCI/LCI LITERATURE FOR SWITCH SETTINGS.

11 FUSE FU20, FU21 AND SWITCH SRD ARE USED FOR OPTIONAL FACTORY POWER CONVENIENCE OUTLET. WIRES 400ARD AND 401AB1 ARE CONNECTED TO FACTORY SUPPLIED DISCONNECT SWITCH.

12 MANUAL BYPASS SWITCH AND WIRES 410C, 413A, 414A, 415A OPTIONAL.

IMPORTANT!
DO NOT SERVICE UNIT UNTIL CHECK-OUT AND START-UP PROCEDURE HAS BEEN COMPLETED

WARNING
HAZARDOUS VOLTAGE!
DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS BEFORE SERVICING.
FAILURE TO DISCONNECT POWER BEFORE SERVICING CAN CAUSE SEVERE PERSONAL INJURY OR DEATH.

AVERTISSEMENT
VOLTAGE HASARDEUX!
DECONNECTEZ TOUTES LES SOURCES ELECTRIQUES INCLUANT LES DISJONCTEURS SITUES A DISTANCE AVANT D'EFFECTUER L'ENTRETIEN.
FAUTE DE DECONNECTER LA SOURCE ELECTRIQUE AVANT D'EFFECTUER L'ENTRETIEN PEUT ENTRAÎNER DES BLESSURES CORPORELLES SEVERES OU LA MORT.

CAUTION
USE COPPER CONDUCTORS ONLY!
UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.
FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.

11 X 17 METAL PLATE

TRANS
A POWER QUALITY SYSTEMS INC.
SERIES 4000
REPLACES: 4000-3000
REVISED: 2007-08-07
THERMAL TRIP: 2307-8087

FILE NUMBER:

DRAWING NUMBER:

2309-3327
CONTROL BOX CONNECTION FOR
TE 40-50 TON 54KW 460/575 VOLT
VARIABLE AIR VOLUME

SHEET 1 OF 2

