

NOTES:

1 WIRING SHOWN IS FOR 230V. FOR 208V MOVE ALL WIRES FROM 230V TERMINAL TO 208V TERMINAL ON TNS1.

2 WIRING SHOWN IS FOR 230V. FOR 208V MOVE ALL WIRES FROM 230V TERMINAL TO 208V TERMINAL ON TNS2.

3 WIRING SHOWN IS FOR 230V. FOR 208V MOVE ALL WIRES FROM 230V TERMINAL TO 208V TERMINAL ON TNS5.

8 FUSE FUS1, RELAY XFR, CAPACITOR CFS/CFB AND ASSOCIATED WIRES ARE ONLY USED WITH POWER EXHAUST OPTION.

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

11 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.

12 FUSE FUS0, FUS1 AND SWITCH SRD ARE USED FOR OPTIONAL FACTORY POWER CONVENIENCE OUTLET. WIRES 400A AND 401A ARE CONNECTED TO FACTORY SUPPLIED DISCONNECT SWITCH.

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

METAL PLATE 11 X 17

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

TRANS
A DIVISION OF TRANE
ELECTRONIC CONTROLS
REPLACES
REVISION 010
2309-3282
2307-4600

FILE NUMBER

DRAWING NUMBER
2309-3282 c

CONTROL BOX CONNECTION FOR
TC 40 TON 208-230 VOLT
VARIABLE AIR VOLUME

SHEET 1 OF 2

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'EXECUTER L'ENTRETIEN.
FAUTE DE DECONNECTER LA SOURCE
ELECTRIQUE AVANT D'EXECUTER
L'ENTRETIEN PEUT ENTRAINER DES
BLESURES 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.

WIRING TO AND FROM
SUPPLY AND RETURN SECTIONRTOM
FOR MODULE DETAIL
SEE SHEET 2RTAM
FOR MODULE DETAIL
SEE SHEET 2RTRM
FOR MODULE DETAIL
SEE SHEET 2

1 2 3 4 5 6 7 8 9 10 J6

