

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCE:

.X ± 0.1
.XX ± 0.03
.XXX ± 0.005

FINISH

ANGLES ± 2.0 ° HOLE DIA = +
CONFORMS TO ASME Y14.5M-1994.

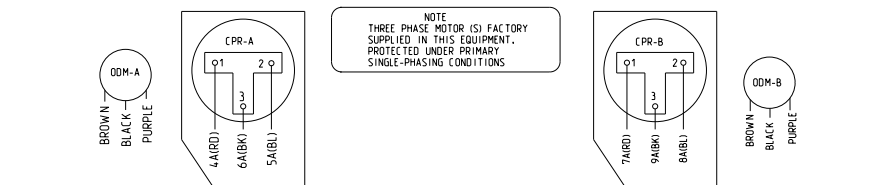
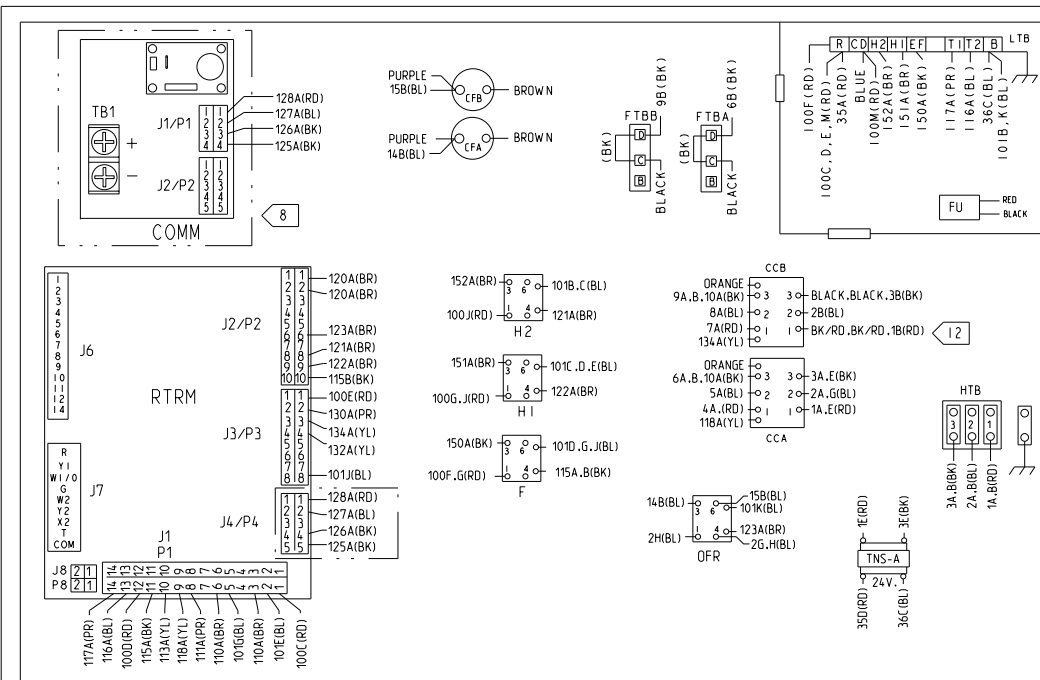
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DO NOT SCALE PRINT
THIRD ANGLE PROJECTION

4367-0444

SHEET 1 OF 1

REV C

DIAGRAM, WIRING
TTA240F4, W. D. & K
OR, OT, OU, OW
RELATEL



WARNING
HAZARDOUS VOLTAGE!
DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS, AND FOLLOW LOCK OUT AND TAG PROCEDURES BEFORE SERVICING. INSURE THAT ALL MOTOR CAPACITORS HAVE DISCHARGED STORED VOLTAGE. UNITS WITH VARIABLE SPEED DRIVE, REFER TO DRIVE INSTRUCTIONS FOR CAPACITOR DISCHARGE.
FAILURE TO DO THE ABOVE BEFORE SERVICING COULD RESULT IN DEATH OR SERIOUS INJURY.

AVERTISSEMENT
TENSION DANGEREUSE!
COUPER TOUTES LES TENSIONS ET OUVRIR LES SECTIONNEURS A DISTANCE. PUIS SUIVRE LES PROCEDURES DE VERROUILLAGE ET DES ETIQUETTES AVANT TOUTE INTERVENTION. VERIFIER QUE TOUTS LES CAPACITEURS DES MOTEURS SONT DECHARGES. DANS LE CAS D'UNITES COMPORTANT DES ENTRAÎNEMENTS A VITESSE VARIABLE, SE REPORTER AUX INSTRUCTIONS DE L'ENTRAÎNEMENT POUR DECHARGER LES CONDENSATEURS.
NE PAS RESPECTER CES MESURES DE PRECAUTION PEUT ENTRAÎNER DES BLESSURES GRAVES POUVANT ETRE MORTELLES.

ADVERTENCIA
¡VOLTAJE PELIGROSO!
DESCONECTE TODA LA ENERGIA ELECTRICA, INCLUIDO LAS DESCONEXIONES REMOTAS Y ETIQUETADO ANTES DE PROCEDER AL SERVICIO. ASEGURESE DE QUE TODOS LOS CAPACITORES DEL MOTOR HAYAN DESCARGADO EL VOLTAJE ALMACENADO. PARA LAS UNIDADES CON EJE DE DIRECCION DE VELOCIDAD VARIABLE, CONSULTE LAS INSTRUCCIONES PARA LA DESCARGA DEL CONDENSADOR.
EL NO REALIZAR LO ANTERIORMENTE INDICADO, PODRIA OCASIONAR LA MUERTE O SERIAS LESIONES PERSONALES.

NOTES:

1. LOW VOLTAGE WIRING MUST BE 18 AWG MINIMUM.
2. MAXIMUM EXTERNAL LOW VOLTAGE LOAD 1.8 AMPS 24 V.A.C. DOES NOT INCLUDE ACCESSORIES, BUT DOES INCLUDE INDOOR BLOWER RELAY.
3. SEE HEATER ACCESSORY DIAGRAM FOR DETAILS OF HEATER WIRING.
4. 460V SHOWN FOR TTA240F4 UNIT MODEL. OTHER OPTIONAL VOLTAGES ARE FOR TTA240FW UNIT MODEL, 380-415V 50HZ FOR TTA240FD UNIT MODEL, AND 380V 60HZ FOR TTA240FK UNIT MODEL.
5. IF EVAPORATOR DEFROST CONTROL (EDC) IS USED IN INDOOR UNIT, REMOVE JUMPER WIRE ON CONDENSER LOW VOLTAGE BOARD BETWEEN TERMINALS "R" AND "CD".
6. DO NOT JUMPER LOW PRESSURE CUT-OUT SWITCH (LPCO) OR THE HIGH PRESSURE CUT-OUT SWITCH (HPCO).
7. ON MODELS WITH RTRM BOARDS, INSTALLER MUST MOVE EDC WIRES (IF AIR HANDLER HAS AN EVAPORATOR DEFROST CONTROL), FROM AIR HANDLER LOW VOLTAGE TERMINAL CONNECTIONS "B2" AND "B1" TO "R" AND "CD".
8. ALL COMPONENTS WITH PHANTOM LINES AROUND PERIMETER ARE FIELD INSTALLED ACCESSORIES EXCEPT FOR COMMUNICATION INTERFACE BOARD (COMM) WHICH MAY BE FACTORY INSTALLED ON SOME MODELS.
9. IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED WITH THIS UNIT, MUST BE REPLACED, REPLACE WITH WIRING OF THE SAME GAUGE RATED AT 600 VOLTS AND 105°C.
10. CUT WIRE 120A TO ENABLE ELECTRIC HEAT.
11. CUT WIRE 110A TO CONFIGURE FOR TWO STAGES OF ELECTRIC HEAT.
12. AT ALL NOTE 12 REFERENCES, LEAD COLOR IS BK/RD ON TTA240F4/TTA240FD/TTA240FK MODELS AND BK/BR ON TTA240FW MODELS.
13. UNIT MODELS WITH A "R", "T", "U" OR "W" IN THE 10TH DIGIT(SEE UNIT NAMEPLATE) ITH USE A RELATEL MODULE (RTRM). SEE PRODUCT LITERATURE FOR EXPLANATION OF 10TH DIGIT MODEL DESIGNATOR.
14. INSTALL OPTIONAL REMOTE SENSOR TO TERMINALS S1 AND S2 WHEN REQUIRED. SEE PROGRAMMABLE ZONE SENSOR / REMOTE PANEL W/NSB LITERATURE FOR OPTION CONFIGURATION.

DEVICE	DESCRIPTION	LINE
CC	COMPRESSOR CONTACTOR	5-76
CC/CEB	COMPRESSOR CONTACTOR COIL	47-52
CEH	CRANKCASE HEATER	02-23
CF	OUTDOOR FAN CAPACITOR	9-20
CN	CONNECTOR OR WIRE NUT	
CPM	COMMUNICATION INTERFACE MODULE	66-72
CPR	COMPRESSOR	82-84
EDC	EVAPORATOR DEFROST CONTROL	82-84
F	FAN RELAY	41
FTB	FAN TERMINAL BOARD	90-91
FU	FUSE	30
H1-H2	HEAT DELAYS	43-45
HPCO	HIGH PRESSURE CUT-OUT	47-52
HVB	HIGH VOLTAGE TERMINAL BLOCK	3
IL	INTERNAL OVERLOAD	40-42
LPCO	LOW PRESSURE CUT-OUT	33-34
LTB	LOW VOLTAGE TERMINAL BOARD	90-91
OM	OUTDOOR FAN MOTOR	43-45
RTRM	RELATEL REFRIGERATION MODULE	43-45
TNSA	CONTROL POWER TRANSFORMER	28

CAUTION

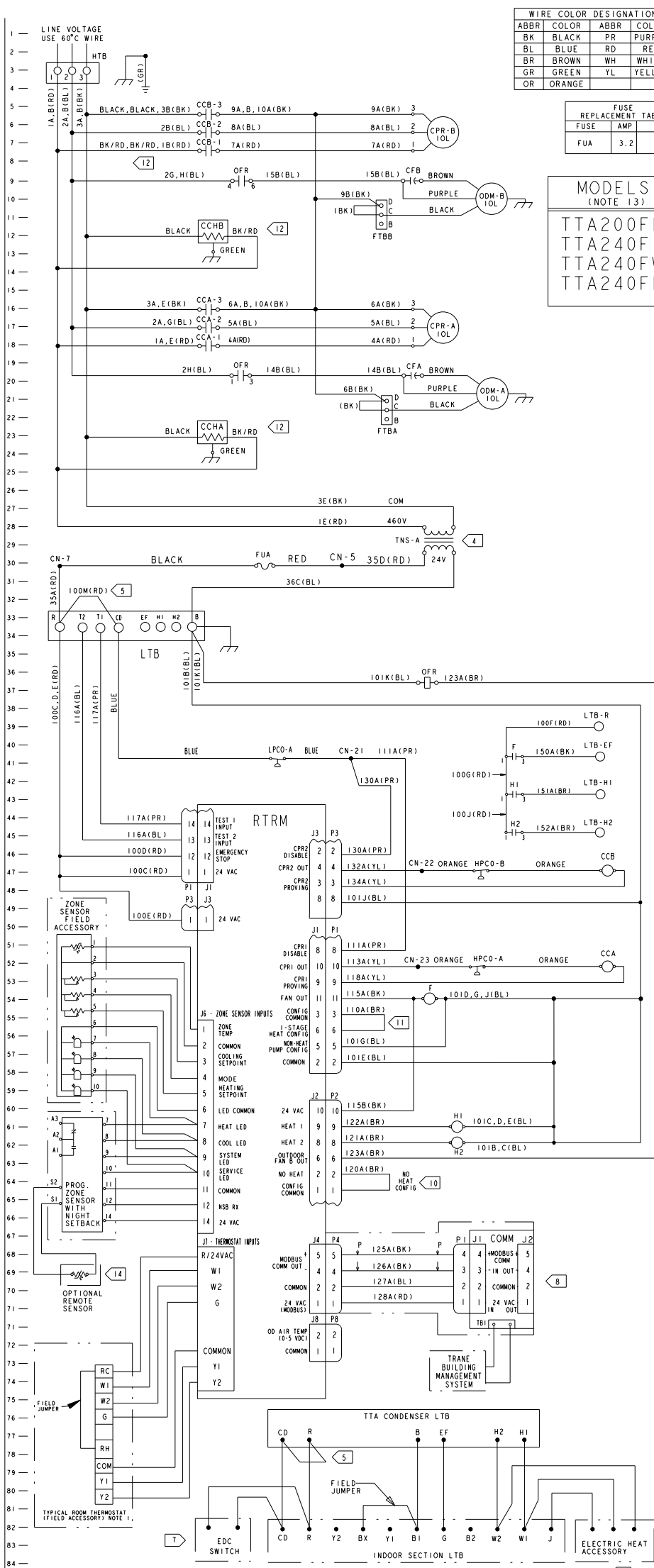
USE COPPER CONDUCTORS ONLY!
UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.
FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.

ATTENTION

N'UTILISER QUE DES CONDUCTEURS EN CUivre!
LES BORNES DE L'UNITÉ NE SONT PAS CONÇUES POUR RECEVOIR D'AUTRES TYPES DE CONDUCTEURS.
L'UTILISATION DE TOUT AUTRE CONDUCTEUR PEUT ENDOMMAGER L'EQUIPEMENT.

PRECAUCIÓN

¡UTILICE ÚNICAMENTE CONDUCTORES DE COBRE!
LAS TERMINALES DE LA UNIDAD NO ESTÁN DISEÑADAS PARA ACEPTAR OTROS TIPOS DE CONDUCTORES.
SI NO LO HACE, PUEDE OCASIONAR DAÑO AL EQUIPO.



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