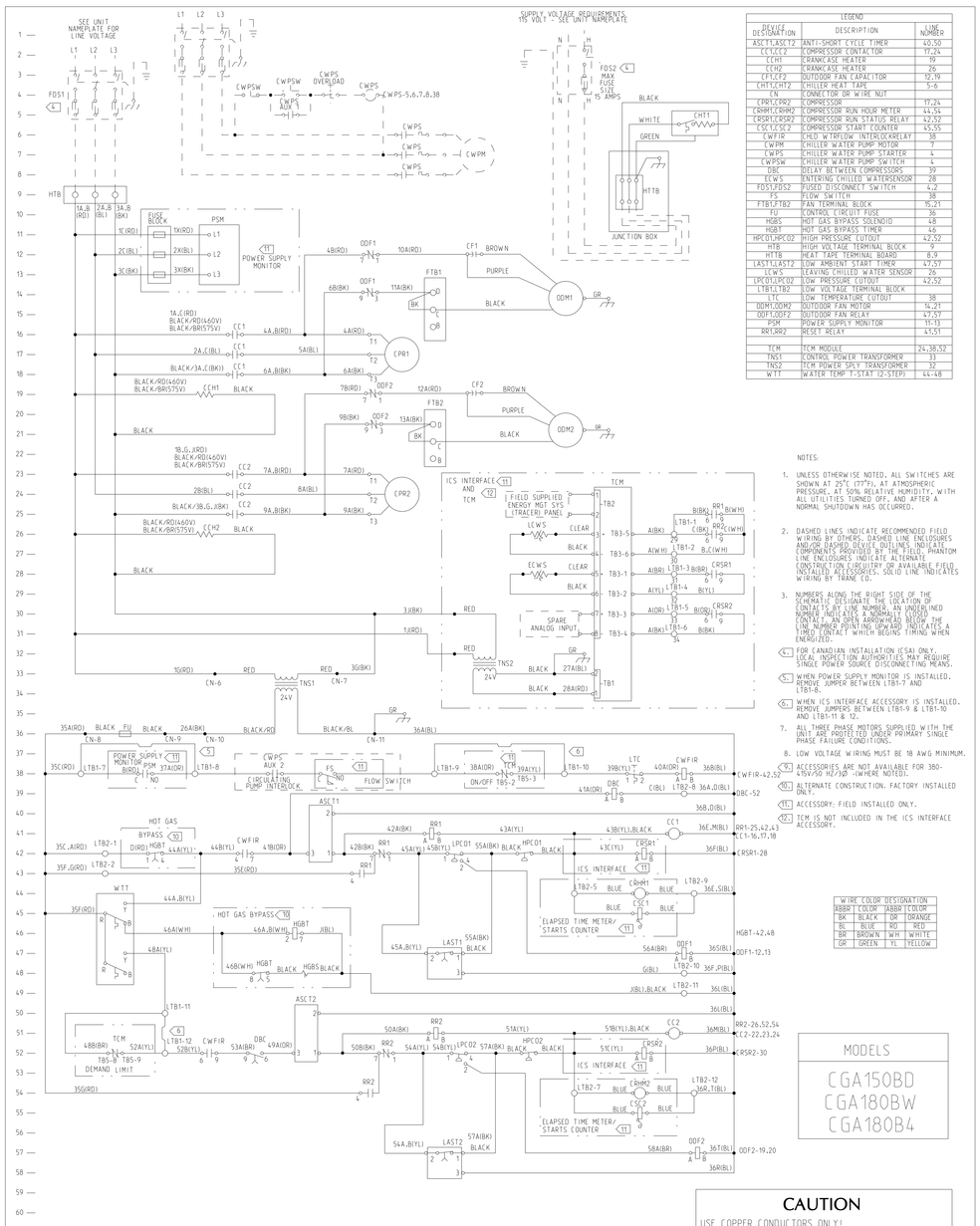
NAME:CLKLP OBJECT:4367_0330 DATE:11-Jan-07 13:59:57



LEGEND		
DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
ASCT1,ASCT2	ANTI-SHORT CYCLE TIMER	40,50
CC1,CC2	COMPRESSOR CONTACTOR	17,24
CCH1	CRANKCASE HEATER	19
CCH2	CRANKCASE HEATER	26
CF1,CF2	OUTDOOR FAN CAPACITOR	12,19
CHT1,CHT2	CHILLER HEAT TAPE	5-6
CN	CONNECTOR OR WIRE NUT	
CPR1,CPR2	COMPRESSOR	17,24
CRHM1,CRHM2	COMPRESSOR RUN HOUR METER	44,54
CRSR1,CRSR2	COMPRESSOR RUN STATUS RELAY	42,52
CSC1,CSC2	COMPRESSOR START COUNTER	45,55
CWFIR	CHLD W TRFLOW INTERLOCKRELAY	38
CWPM	CHILLER WATER PUMP MOTOR	7
CWPS	CHILLER WATER PUMP STARTER	4
CWPSW	CHILLER WATER PUMP SWITCH	4
DBC	DELAY BETWEEN COMPRESSORS	39
ECWS	ENTERING CHILLED WATERSENSOR	28
FDS1,DS2	FUSED DISCONNECT SWITCH	4,2
FS	FLOW SWITCH	38
FTB1,FTB2	FAN TERMINAL BLOCK	15,21
FU	CONTROL CIRCUIT FUSE	36
HGBS	HOT GAS BYPASS SOLENOID	48
HGBT	HOT GAS BYPASS TIMER	46
HPCO1,HPCO2	HIGH PRESSURE CUTOUT	42,52
HTB	HIGH VOLTAGE TERMINAL BLOCK	9
HTTB	HEAT TAPE TERMINAL BOARD	8,9
LAST1,LAST2	LOW AMBIENT START TIMER	47,57
LCWS	LEAVING CHILLED WATER SENSOR	26
LPCO1,LPCO2	LOW PRESSURE CUTOUT	42,52
LTB1,LTB2	LOW VOLTAGE TERMINAL BLOCK	
LTC	LOW TEMPERATURE CUTOUT	38
ODM1,ODM2	OUTDOOR FAN MOTOR	14,21
ODF1,ODF2	OUTDOOR FAN RELAY	47,57
PSM	POWER SUPPLY MONITOR	11-13
RR1,RR2	RESET RELAY	41,51
TCM	TCM MODULE	24,38,52
TNS1	CONTROL POWER TRANSFORMER	33
TNS2	TCM POWER SPLY TRANSFORMER	32
WTT	WATER TEMP T-STAT (2-STEP)	44-48

NOTES:

1. UNLESS OTHERWISE NOTED, ALL SWITCHES ARE SHOWN AT 25°C (77°F), AT ATMOSPHERIC PRESSURE, AT 50% RELATIVE HUMIDITY, WITH ALL UTILITIES TURNED OFF, AND AFTER A NORMAL SHUTDOWN HAS OCCURRED.

2. DASHED LINES INDICATE RECOMMENDED FIELD WIRING BY OTHERS. DASHED LINE ENCLOSURES AND/OR DASHED DEVICE OUTLINES INDICATE COMPONENTS PROVIDED BY THE FIELD. PHANTOM LINE ENCLOSURES INDICATE ALTERNATE CONSTRUCTION CIRCUITRY OR AVAILABLE FIELD INSTALLED ACCESSORIES. SOLID LINE INDICATES WIRING BY TRANE CO.

3. NUMBERS ALONG THE RIGHT SIDE OF THE SCHEMATIC DESIGNATE THE LOCATION OF CONTACTS BY LINE NUMBER. AN UNDERLINED NUMBER INDICATES A NORMALLY CLOSED CONTACT. AN OPEN ARROWHEAD BELOW THE CONTACT POINTING UPWARD INDICATES A TIME DELAY CONTACT WHICH BEGINS TIMING WHEN ENERGIZED.

4. FOR CANADIAN INSTALLATION (CSA) ONLY. LOCAL INSPECTION AUTHORITIES MAY REQUIRE SINGLE POWER SOURCE DISCONNECTING MEANS.

5. WHEN POWER SUPPLY MONITOR IS INSTALLED, REMOVE JUMPER BETWEEN LTB1-7 AND LTB1-8.

6. WHEN ICS INTERFACE ACCESSORY IS INSTALLED, REMOVE JUMPERS BETWEEN LTB1-9 & LTB1-10 AND LTB1-11 & 12.

7. ALL THREE PHASE MOTORS SUPPLIED WITH THE UNIT ARE PROTECTED UNDER PRIMARY SINGLE PHASE FAILURE CONDITIONS.

8. LOW VOLTAGE WIRING MUST BE 18 AWG MINIMUM.

9. ACCESSORIES ARE NOT AVAILABLE FOR 380-415V/50 HZ/3Ø -(WHERE NOTED).

10. ALTERNATE CONSTRUCTION. FACTORY INSTALLED ONLY.

11. ACCESSORY: FIELD INSTALLED ONLY.

12. TCM IS NOT INCLUDED IN THE ICS INTERFACE ACCESSORY.

WIRE COLOR DESIGNATION			
ABBR	COLOR	ABBR	COLOR
BK	BLACK	OR	ORANGE
BL	BLUE	RD	RED
BR	BROWN	WH	WHITE
GR	GREEN	YL	YELLOW

MODELS

CGA150BD
CGA180BW
CGA180B4

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'ÉQUIPEMENT.

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.

⚠ 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 À DISTANCE, PUIS SUIVRE LES PROCÉDURES DE VERROUILLAGE ET DES ÉTIQUETTES AVANT TOUTE INTERVENTION. VÉRIFIER QUE TOUS LES CONDENSATEURS DES MOTEURS SONT DÉCHARGÉS. DANS LE CAS D'UNITÉS COMPORTANT DES ENTRAÎNEMENTS À VITESSE VARIABLE, SE REPORTER AUX INSTRUCTIONS DE L'ENTRAÎNEMENT POUR DÉCHARGER LES CONDENSATEURS.

NE PAS RESPECTER CES MESURES DE PRÉCAUTION PEUT ENTRAÎNER DES BLESSURES GRAVES POUVANT ÊTRE MORTELLES.

⚠ ADVERTENCIA

¡VOLTAJE PELIGROSO!

DESCONECTE TODA LA ENERGÍA ELÉCTRICA, INCLUSO LAS DESCONEXIONES REMOTAS Y SIGA LOS PROCEDIMIENTOS DE CIERRE Y ETIQUETADO ANTES DE PROCEDER AL SERVICIO. ASEGÚRESE DE QUE TODOS LOS CAPACITORES DEL MOTOR HAYAN DESCARGADO EL VOLTAJE ALMACENADO. PARA LAS UNIDADES CON EJE DE DIRECCIÓN DE VELOCIDAD VARIABLE, CONSULTE LAS INSTRUCCIONES PARA LA DESCARGA DEL CONDENSADOR.

EL NO REALIZAR LO ANTERIORMENTE INDICADO, PODRÍA OCASIONAR LA MUERTE O SERIAS LESIONES PERSONALES.

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MATERIAL:

FLEXCON WHITE VINYL (2 MIL THICK) WITH PRESSURE SENSITIVE ADHESIVE BACKING AND RELEASE PAPER. ADHESIVE FOR OUTDOOR APPLICATION ON PAINTED OR GALVANIZED METAL.

SIZE: 8-1/4" X 13"

ALL PRINTING TO BE BLACK. PURCHASING TO SUPPLY VENDOR WITH REDUCED FILM NEGATIVE OF THIS DRAWING. VENDOR TO RETURN FILM NEGATIVE AS SOON AS POSSIBLE. WIRING DIAGRAMS TO BE SUPPLIED IN ROLLS IN TANDEM-SLIT CUT OR SHEETS. NEGATIVE MADE FOR PRINTED MATERIAL.

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCE:
.X ±± 0.1
.XX ±± 0.03
.XXX ±± 0.005
ANGLES ±± 2.0 °
HOLE DIA ± .
CONFORMS TO ASME Y14.5M-1994.
FINISH

DO NOT SCALE PRINT

DRAWN BY: M.HURT

THIRD ANGLE PROJECTION

TRANE
A DIVISION OF AMERICAN STANDARD, INC.
LA CROSSE, WISCONSIN

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© DATE: 11 JAN. 07

4367-0330

DIAGRAM-WIRING

SHEET 1 OF 1

REV A