## 12133021 100 NUMBER: 12133023 LEGEND TRANE SHEET: REV WIRE COLOR DESIGNATION IMPORTANT! DEVICE DESIGNATION 1 ALL WIRING AND DEVICES SHOWN DASHED TO BE SUPPLIED AND INSTALLED BY THE CUSTOMER IN ACCORDANCE WITH LOCAL AND NATIONAL ELECTRICAL CODES. 13 OPTIONAL OCCUPANCY SENSOR CONNECTOR. DESCRIPTION THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE CONSENT OF TRANE. DO NOT ENERGIZE UNIT UNTIL CHECK-OUT AND TART-UP PROCEDURE HAS BEEN COMPLETED. FOUNDATION - 3-5 TON COMPRESSOR CONTACTOR 14> 24VAC CLASS 2 CIRCUITS. 2 IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED WITH THIS UNIT, MUST BE REPLACED. REPLACE IT WITH APPLIANCE WIRING MATERIAL RATED AT 105°C AND 600V. DIAGRAM CO2 SENSOR CONDENSATE OVERFLOW RELAY R.RAM REVISION DATE: 17-MAR-2022 SIMILAR TO: CONNECTION - CONTROL BOX 3 THREE PHASE MOTORS ARE PROTECTED UNDER PRIMARY SINGLE PHASING CONDITIONS. ALL MOTORS HAVE INTERNAL OVERLOAD PROTECTION. COMPRESSORS HAVE INTERNAL THERMAL PROTECTION. CONDENSATE OVERFLOW SWITCH TD SWITCH - DISCHARGE TEMP LIMIT RELAY CONTROL ACES: 12131608-D SYSTEM USED: Pro/DETAIL G GREEN W WHITE O ORANGE Y YELLOW 460V/575V 1 STAGE GAS HEAT EMERGENCY STOP SWITCH FAN RELAY - CONTACTOR FROSTAT SWITCH ESTOP TO SHUT DOWN THE UNIT FOR EMERGENCY STOP, REMOVE JUMPER ACROSS LTB ESTOP PINS AND INSTALL FIELD SUPPLIED DEVICE. SEE INSET B. **CAUTION ATTENTION** PRECAUCIÓN USE COPPER CONDUCTORS ONLY! N'UTILISER QUE DES CONDUCTEURS EN CUIVRE! ¡UTILICE ÚNICAMENTE CONDUCTORES DE COBRE! FROSTAT TIME DELAY SWITCH - HIGH PRESSURE TERMINAL BLOCK UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS. LES BORNES DE L'UNITÉ NE SONT PAS CONQUES POUR RECEVOIR D'AUTRES TYPES DE CONDUCTEURS. LAS TERMINALES DE LA UNIDAD NO ESTÁN DISEÑADAS PARA ACEPTAR OTROS TIPOS DE CONDUCTORES. TERMINAL BLOCK MODULE - GAS IGNITION LOW AMBIENT TEMP SENSOR SENSOR LIQUID LINE TEMPERATURE LOW AMBIENT CONTROLLER LOW-PRESSURE BYPASS ITM DELAY RELAY MODULE LOCKOUT SAFETY DEVICE 1 TERMINAL BLOCK LOW, VOILTAGE (240) COMMON (CONNECTIONS SHOWN INCLUDE OPTIONAL CONDENSATE OVERFLOW SWITCH (COF). IF COF IS NOT INSTALLED, CONNECT WIRE W5(R) TO 104A(R). 8 CONNECTIONS SHOWN INCLUDE OPTIONAL FROSTAT (FOS). IF FOS IS NOT INSTALLED. CONNECT WIRE W8 TO WIRE 101T. L'UTILISATION DE TOUT AUTRE CONDUCTEUR PEUT SI NO LO HACE, PUEDE OCASIONAR DA ÑO AL EQUIPO. FAILURE TO DO SO MAY CAUSE DAMAGE TO THE LLT LOAM1 ENDOMMAGER L'ÉQUIPEMENT LPBP LSD1 LTB1 LOW VOLTAGE (24V) COMMON OD FAN MOTOR MODULE - PHASE MONITOR PRESSURE SWITCH 12> FOR TNS1: CONNECTIONS SHOWN ARE FOR 460V UNITS. FOR 575V OPERATION, MOVE ALL WIRES FROM THE 460V TERMINAL TO THE 575V TERMINAL. FOR TNS2: CONNECTIONS SHOWN ARE FOR 460V UNITS USING THE BLUE WIRE. FOR 575V OPERATION. MOVE THE CONNECTION FROM THE BLUE WIRE 460V TO THE BLACK WIRE 575V. 24V POWER TRANSFORMER 101D .101T(BL) 105A(R) —————W 5(R) <7 104A(R) ————104B(R) T2 **o**-OPTIONAL CONDENSATE OVERFLOW 136A(BK) OPTIONAL PHASE MONITOR T1 O PARK 8 224(PD)-O LOAD G O 109E(BK) W O 106D(BR) Y O 111B(YL) R O B IGN MODULE W 5(R) 101B(BL) 2A(BL) 1A(R) TNS2-BK (575V) TNS2-RED TNS2-BL (460V) ψ̈́ 中 104C(RD)-O IN BLOWER 101T(BL) 104C .D(RD) HTB1 C C 1 . I OPTIONAL FROSTAT , <del>-</del> 1D(R) OPTIONAL CONDENSATE OVERFLOW SWITCH I 02 40 2D(BL) COFTD COFR 102B(BL) 103A(BL) 101J(BL) LOW AMBIENT CONTROLLER OPTION 28D(R) 28C(R) 29D(BL) 29B(BL) ODM 104A.D.E(R)— R B 1014E.C.V(BL) 111A.B.D(Y)— Y1 W1 106B.D(BR) 1104.E(Y)— Y2 W2 109B.E(BK)— G C02 151B(BK) 100A(R)— ESTOP ESTOP 139A(R) LINE LINE LOAD LOAD 159B(BK) (5) LVC —BLACK (TO LAT) BLACK (TO LLT) IGNITION WIRE-₽ (FROM CC1-L1) RED -(FROM (C1-L2) = ( 12) POWER & CONTROL WIRES--COMPRESSOR WIRING OPTIONAL LOW AMBIENT TEMP SENSOR LAT BLACK BLACK 176A (Y) -SEE NAMEPLATE FOR LINE VOLTAGE AND MAX. FUSE SIZE L3 L2 L1 I I I 112A (WHT) -LSD1 THERMOSTAT I 140E (BK) -101BA (BL) -(5) 7.7.