

NOTES:

- ALL WIRING AND DEVICES SHOWN DASHED TO BE SUPPLIED AND INSTALLED BY THE CUSTOMER IN ACCORDANCE WITH LOCAL AND NATIONAL ELECTRICAL CODES.
- 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.
- THREE PHASE MOTORS ARE PROTECTED UNDER PRIMARY SINGLE PHASING CONDITIONS. ALL MOTORS HAVE INTERNAL OVERLOAD PROTECTION. COMPRESSORS HAVE INTERNAL THERMAL PROTECTION.
- REQUIRED FOR OPTIONAL REFERENCE ENTHALPY CONTROL.
- REQUIRED FOR OPTIONAL COMPARATIVE ENTHALPY CONTROL.
- OPTIONAL MAS, RAS, RHS, OHS, OAE, RAE, AND ASSOCIATED WIRING NOT USED WITH MOTORIZED (NON-MODULATING) OR MANUAL OUTSIDE AIR DAMPER.
- TO INSTALL OPTIONAL ECONOMIZERS, REMOVE PLUG PPM2A FROM PPF2 AND CONNECT ECONOMIZER PLUG PPM2.

- REQUIRED DIP SWITCH SETTING FOR ULTRA LOW LEAK OAE, & RAE.
- REQUIRED FOR OPTIONAL DRY BULB CONTROL.
- CONNECTIONS ARE DONE AT THE REAR SIDE OF RTEM-EM.

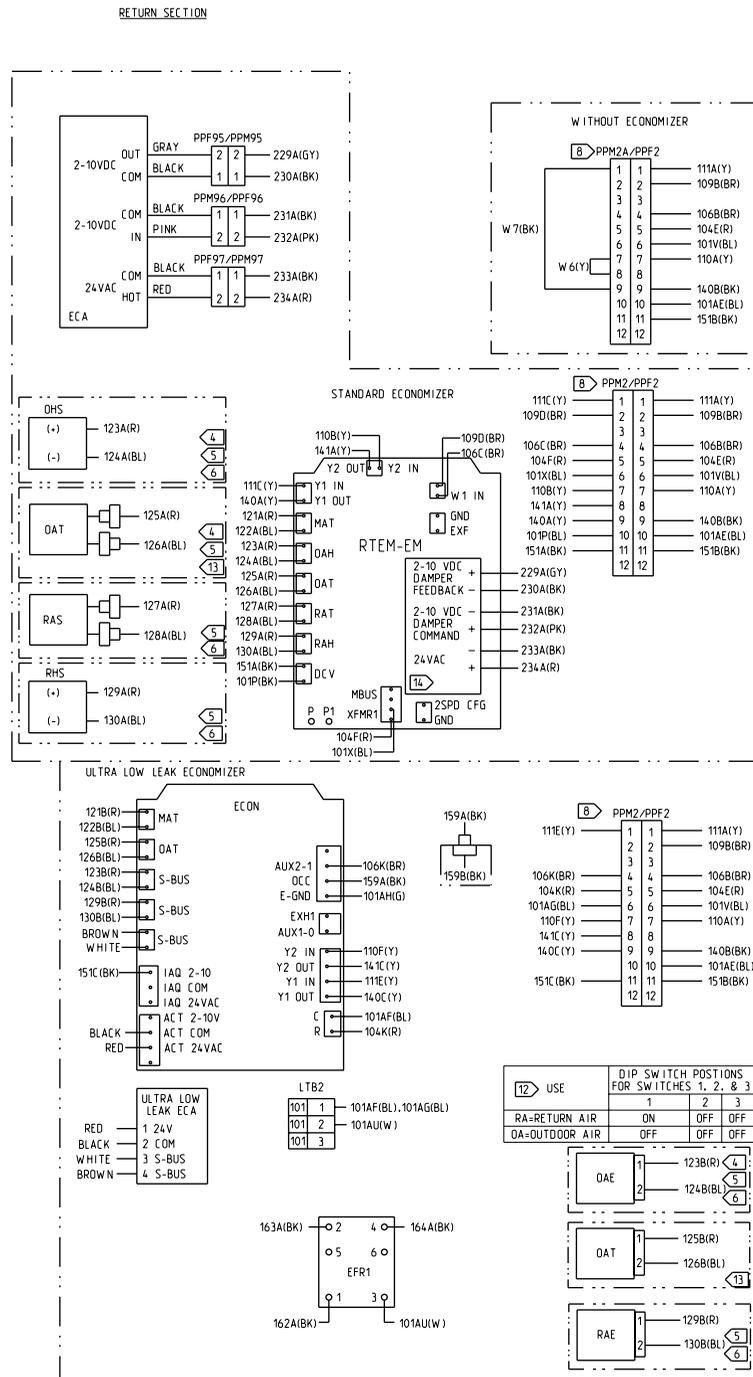
WIRE COLOR DESIGNATION			
ABBR	COLOR	ABBR	COLOR
BK	BLACK	V (PR)	PURPLE
BL	BLUE	R	RED
BR	BROWN	TN	TAN
G	GREEN	W	WHITE
O	ORANGE	Y	YELLOW
PK	PINK	GY	GRAY

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

TRANE		FILE NUMBER:	12134170	DRAWING NUMBER:	12134173	SHEET:	1 OF 1	REV	B
THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE CONSENT OF TRANE.		FOUNDATION							
DRAWN BY: YASHRAJ NM		TRANE DATE: 27-JUN-2021		DIAGRAM					
REPLACES: 12132267-B		REVISION DATE: 11-OCT-2022		CONNECTIONS - RACEWAY					
CAD SYSTEM USED: CREO		SIMILAR TO: --		460V/575V, 1 STAGE GAS HEAT 3T-5T					

CAUTION	ATTENTION	PRECAUCIÓN
USE COPPER CONDUCTORS ONLY!	N'UTILISER QUE DES CONDUCTEURS EN CUIVRE!	UTILICE ÚNICAMENTE CONDUCTORES DE COBRE!
UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.	LES BORNES DE L'UNITÉ NE SONT PAS CONÇUES POUR RECEVOIR D'AUTRES TYPES DE CONDUCTEURS.	LAS TERMINALES DE LA UNIDAD NO ESTÁN DISEÑADAS PARA ACEPTAR OTROS TIPOS DE CONDUCTORES.
FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.	L'UTILISATION DE TOUT AUTRE CONDUCTEUR PEUT ENDOMMAGER L'EQUIPEMENT.	SI NO LO HACE, PUEDE OCASIONAR DAÑO AL EQUIPO.

DEVICE DESIGNATION	DESCRIPTION
CCH	CRANKCASE HEATER
CO2	CO2 SENSOR
COF	CONDENSATE OVERFLOW SWITCH
CPR	COMPRESSOR
DISC	SINGLE POINT DISCONNECT
DTL	SWITCH - DISCHARGE TEMP LIMIT
ECA	ECONOMIZER CONTROL ACTUATOR
ECON	MODULE - ULTRA LOW-LEAK ECONOMIZER
FD	FLAME DETECTOR
FOS	FROSTAT SWITCH
FR	FLAME ROLLOUT
FTB	INDOOR FAN HARNESS CONNECTION
GV	VALVE - GAS
HPC	SWITCH - HIGH PRESSURE
IDM	INDOOR BLOWER MOTOR
IGN	MODULE - GAS IGNITION
LAT	LOW AMBIENT TEMP SENSOR
LLT	SENSOR LIQUID LINE TEMPERATURE
LPBP	LOW-PRESSURE BYPASS TIME DELAY RELAY
LPC	SWITCH - LOW PRESSURE
LVC	LOW VOLTAGE (24V) COMMON
MAS	SENSOR MIXED AIR TEMP
MV	GAS - MAIN VALVE
OAE	SENSOR OUTDOOR AIR TEMP / HUMIDITY
DAH	SENSOR OUTSIDE AIR HUMIDITY
OAT	SENSOR OUTDOOR AIR TEMP
ODM	OUTDOOR FAN MOTOR
OHS	SENSOR OUTSIDE AIR HUMIDITY
PHM	MODULE - PHASE MONITOR
PS	PRESSURE SWITCH
RAE	RETURN AIR TEMP AND HUMIDITY
RAH	SENSOR RETURN AIR HUMIDITY
RAS	SENSOR RETURN AIR TEMP
RHS	SENSOR RETURN AIR HUMIDITY
RTEM-EM	MODULE RELIABLE ECONOMIZER
TCO	TEMP CUTOUT



USE	DIP SWITCH POSITIONS FOR SWITCHES 1, 2, & 3		
	1	2	3
RA=RETURN AIR	ON	OFF	OFF
OA=OUTDOOR AIR	OFF	OFF	OFF

