4B2 DS MTR2 on FC & FF CFM 100 and

Motor Voltage Config. P2-P6 Jumpered for

115V operation only

P7

(RPM2) (PWM2)

(COM)

ยโซโซโ

4B2

DS MTR2

4B1

ß 4

(COM)

(PWM1) (RPM1)

SINGLE PHASE

(FANCOIL & FORCFLO VOLT = 1,2,3,4, AND 9) (LOW VERTICAL VOLT = 1)

P8 ह्यू ह्यू

P8

4



USE COPPER CONDUCTORS ONLY! UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS. FAILURE TO DO THE ABOVE COULD RESULT IN EQUIPMENT DAMAGE.

AVIS

N'UTILISER QUE DES CONDUCTEURS EN CUIVRE! LES BORNES DE L'UNITÉ NE SONT PAS CONÇUES POUR RECEVOIR D'AUTRES TYPES DE CONDUCTEURS. FAIRE DÉFAUT À LA PROCÉDURE CI-DESSUS PEUT ENTRAÎNER DES DOMMAGES À L'ÉQUIPEMENT.

AVISO

IUTILICE ÚNICAMENTE CONDUCTORES DE COBRE! LAS TERMINALES DE LA UNIDAD NO ESTÁN DISEÑADAS PARA ACEPTAR OTROS TIPOS DE CONDUCTORES. NO SEGUIR LAS INSTRUCCIONES ANTERIORES PUEDE PROVOCAR DAÑOS EN EL 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.

TENSION DANGEREUSE!

TENSION DANGEREUSE!

COUPER TOUTES LES TENSIONS ET
OUVRIR LES SECTIONNEURS À DISTANCE,
PUIS SUIVRE LES PROCÉDURES DE
VERROUILLAGE ET DES ÉTIQUETTES AVANT
TOUTE INTERVENTION. VERIFIER QUE TOUS
LES CONDENSATEURS DES MOTEURS SONT
DÉCHARGÉS. DANS LE CAS D'UNITÉS
COMPORTANT DES ENTRAÎNEMENTS À
VITESSE VARAIBLE, SE REPORTER AUX
INSTRUCTIONS DE L'ENTRAÎNEMENT POUR
DÉCHARGER LES CONDENSATEURS.

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

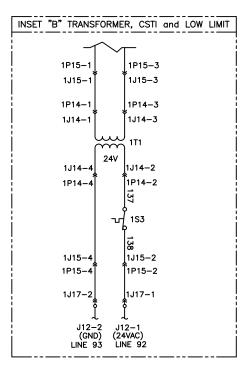
ADVERTENCIA

VOLTAJE PELIGROSO!

IVOLTAJE PELIGROSOI
DESCONECTE TODA LA ENERGÍA ELÉCTRICA,
INCLUSO LAS DESCONEXIONES REMOTAS Y
SIGA LOS PROCEDIMIENTOS DE CIERRE Y
ETIQUETADO ANTES DE PROCEDER AL
SERVICIO. ASEGÓRESE 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 BERLIZAD LO ANTERIOMENTE

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



DEVICE	PREFIX LOCATION CODE
AREA	LOCATION
1	CONTROL PANEL
2	CONTROL END
3	PIPING END
4	FAN SECTION
5	COIL SECTION
6	CUSTOMER INSTALLED
7	FIELD SUPPLIED DEVICE

		VOLTAC	SE SELECTIO	N		
DIGIT	DIGIT VALUE	DESCRIPTION	WIRE #1	WIRE #2	WIRE #3	WIRE #4
VOLT	1	115V/60HZ/1PH	L1/BLK	N/WHT	1AA/BLK	2AA/WHT
VOLT	2	208V/60HZ/1PH	L1/BLK	L2/BLK	1AA/BLK	2AC/BLK
VOLT	3	277V/60HZ/1PH	L1/BLK	N/WHT	1AA/BLK	2AA/WHT
VOLT	4	230V/60HZ/1PH	L1/BLK	L2/BLK	1AA/BLK	2AC/BLK
VOLT	9	220-240/50/1	L1/BLK	N/WHT	1AA/BLK	2AA/WHT
					-	

	LEGEND	
DEVICE	DESCRIPTION	LINE
DESIGNATION	DESCRIPTION	NUMBER
1S1	DISCONNECT SWITCH	14
1TB1	EH TERMINAL BLOCK	20
4B2	MOTOR 2	24
4B1	MOTOR 1	29
153	CSTI LOW LIMIT SENSOR	35
1T1	TRANSFORMER	31,37

4

⟨6]

TO TESTER FACTORY USE ONLY

(5)

ELECTRIC HEAT

1J19-1 A

__1J19-2*-*-

10 -

12 —

13 —

16 —

17 — 18 — 19 —

20 —

22 -

23 —

24 —

25 -

26 **—**

27 —

29 —

30 -

31-

32 —

33 —

35 **—**

36 -

37 —

38 —

39 –

42 -

43 —

45 —

48 —

50 -

54 — 55 — 56 -57 —

60 — 61-62 -63 —

64 —

65 –

66 **—**

67 **—** 68 -

69 —

72 — 73 -

SEE NAMEPLATE FOR VOLTAGE

SPLICE

WIRE #2

WIRE #4

ф₂

1P18-2

1J18-2

1P14-3

1J14-3

1J14-2

1P14-2

1J17-1

J12-1 (24VAC) LINE 92 (CSTI CTRLS) LINE 99 (ZN, FSS CTRLS)

7 SPLICE

WIRE #

WIRE #3

1TB1 | 1 🗘

1P18-1

1J18-

1AH

1P14-

1J14-

1J14-4

1P14-4

1J17-2

12-2 (GND) LINE 93 (CSTI CTRLS)

LINE 100 (ZN, FSS CTRLS)

1T1

1

SPLICE

ATTACH GROUND

GRN

ᄁ P5

- 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 NORMAL SHUTDOWN HAS OCCURED.
- 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 CIRCUITRY OR AVAILABLE SALES OPTIONS. SOLID LINES INDICATE WIRING BY TRANE CO.
- 3. ALL FIELD WIRING MUST BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC)
 STATE AND LOCAL REQUIREMENTS.
- WIRING SHOWN IS FOR UNITS WHEN SWCH=D (WITH DISCONNECT SWITCH). UNITS WITHOUT DISCONNECT SWITCH (SWCH=O) OMIT SWITCH AND REPLACE WITH SPLICE.
- 5 WIRING SHOWN IS FOR UNITS WHEN CTYP=A,E,F,G,L,M,N AND CTYP=H (CSTI) WITH CTOP=O (NONE). SEE INSET "B" FOR UNITS WHEN CTYP=H AND CTOP = A OR C (LOW
- LIMIT SENSOR). 6 1TB1 ONLY PRESENT IF UNIT HAS ELECTRIC HEAT. ADDITIONAL ELECTRIC HEAT WIRING SHOWN ON SHEETS 23114699 THRU 23114714.
- 7 SPLICE END LOCATED IN JUNCTION BOX.

DATE 4 JUN 2018	P. LOCHER	REVISION DATE	REPLACES
SIMILAR TO	Onwe	THES DEVAMING IS PROPRETARY AND MAKEN THE COMPETED TO CONTROL THE COMPETED TO CONTROL THE	TRANE
ZN, CSTI, FSS CONTI	FAN COIL/FORCE-FLO	SCHEMATIC	3518-6101