

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95

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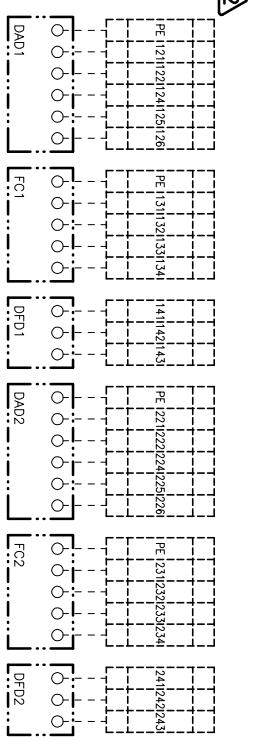
ESQUEMA ELECTRICICO
WIRING DIAGRAM
SCHEMA ELECTRIQUE
SCHALTPLAN

Elemento Opcional
Optional Element
Element optionnel
Optionales bauteil

A realizar por el instalador
To wire by the installer
A câbler par l'installateur
Verdrahtung durch den Installateur

%	Lemnox Refrac S.A.	ESQUEMA ELECTRICICO ELECTRIC DIAGRAM	ANCMS2D2-64D2-76D2-86D2 (LECM+KNCM) KIT -15°C	4Z-33-415-718 10J 3N ~ 400V 50Hz + PE
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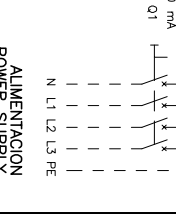
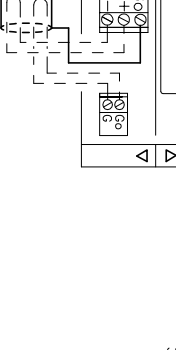
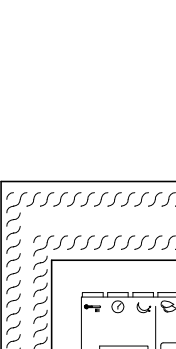
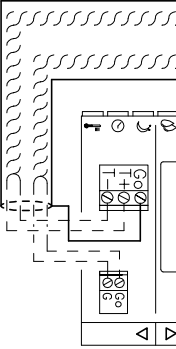
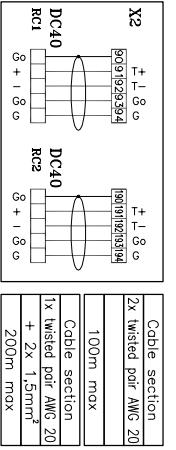
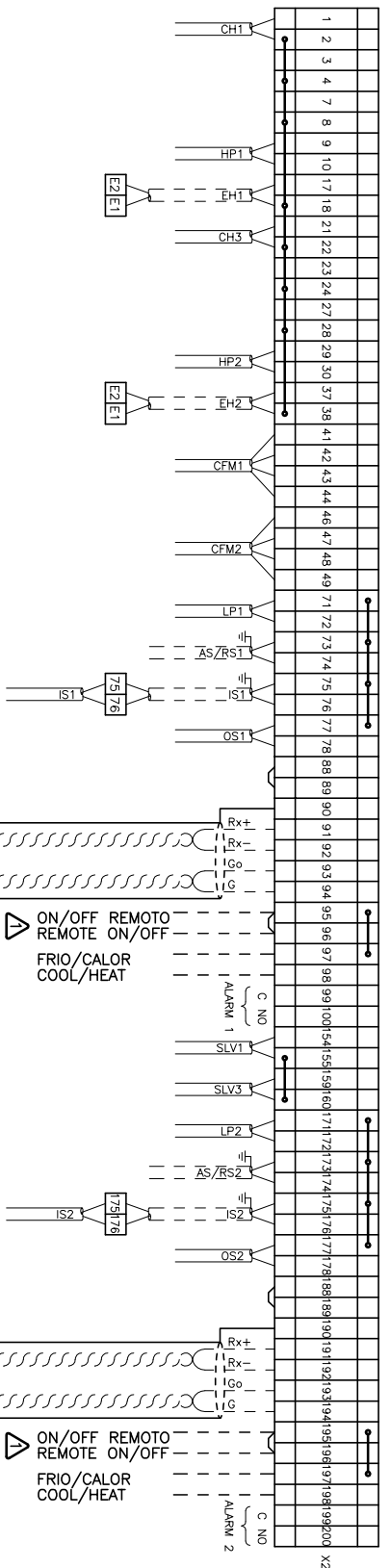
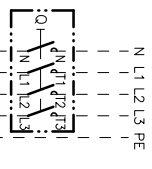
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95



⚠ RETIRAR PUENTE SI SE MONTA ON/OFF REMOTO
 REMOVE LINK FOR REMOTE ON/OFF OPERATION
 RETIRER LE PONT EN CAS DE MARCHÉ/ARRÊT A DISTANCE
 ENTFERNE DIE VERBINDUNG ZUM EIN/AUS FERNSCHALTER

⚠ ESTAS BORNAS SOLAMENTE SE INCLUYEN CON SU OPCIONAL
 THESE TERMINALS ARE ONLY INCLUDED WITH ITS OPTIONAL
 CES CONTACTS SONT INSTALLEES SEULEMENT SI ON DEMANDE CHOISIT L'OPTIONAL
 DIESE ANSCHLUSSKLEMMEN SIND NUR MIT ZUBEHÖR VERFÜGBAR IHREM OPTIONAL

VER MANUAL INSTALACION
 SEE INSTALLATION MANUAL (IOM)
 VOIR LE MANUEL D'INSTALLATION
 SIEHE INSTALLATIONSHANDBUCH (IOM)



⚠ CABLE APANTALLADO
 SCREEN WIRE

⚠ CABLE APANTALLADO
 SCREEN WIRE

ALIMENTACION
 POWER SUPPLY
 ALIMENTATION ELECTRIQUE
 STROMZULEITUNG

Elemento Opcional
 Optional Element
 Element optionnel
 Optionales bauteil

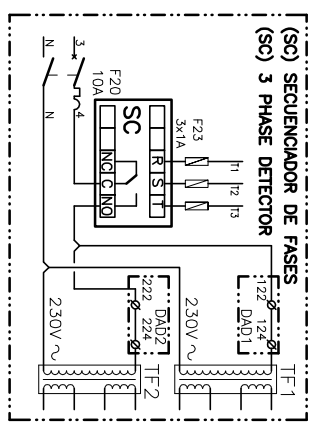
A realizar por el instalador
 To wire by the installer
 A câbler par l'installateur
 Verdrahtung durch den installateur

1/9 Lennox Refrac S.A.

ESQUEMA ELECTRICO
 ELECTRIC DIAGRAM

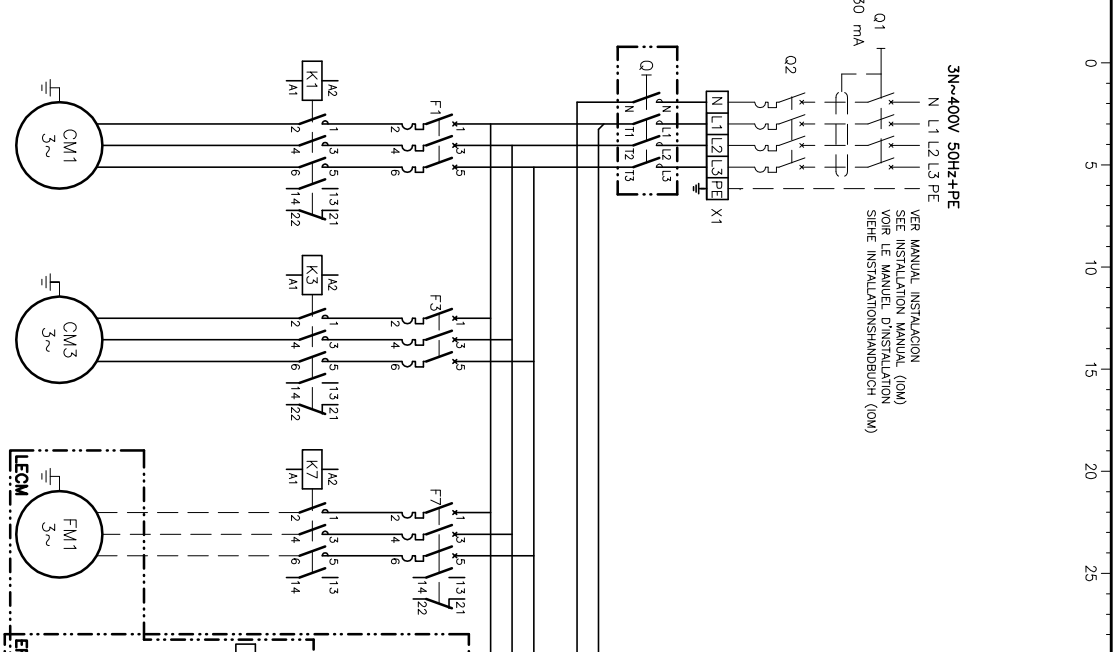
ANCMS2D2-64D2-76D2-86D2 (LECM+KNCM) KIT -15°C

4Z-33-415-718 10J
 3N ~ 400V 50Hz + PE
 3N~400V 50Hz+PE

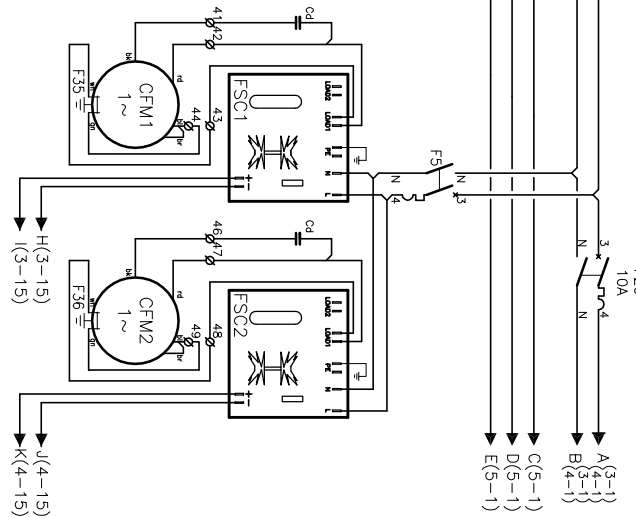


EH1	10.8A
7.5kW _W Iq(LRA)	F
1.6A	
15.9A	
11kW Iq(LRA)	F
20A	
21.7A	
15kW Iq(LRA)	F
25A	

EH2	10.8A
7.5kW _W Iq(LRA)	F
1.6A	
15.9A	
11kW Iq(LRA)	F
20A	
21.7A	
15kW Iq(LRA)	F
25A	



	STD	HIGH	STD	HIGH	3A	3A
ANCW Iq(LCC)	2.59A	3.45A	2.59A	3.45A	12A	12A
ANCW Iq(LBA)	1.1A	1.73A	1.3A	1.73A	10A	10A
52D2 F	2.5A	2.5A	2.5A	2.5A	3.4A	3.4A
ANCW Iq(LCC)	2.59A	3.45A	2.59A	3.45A	13.2A	13.2A
ANCW Iq(LBA)	1.18A	1.73A	1.3A	1.73A	10A	10A
64D2 F	2.5A	2.5A	2.5A	2.5A	3.4A	3.4A
ANCW Iq(LCC)	2.59A	3.45A	2.59A	3.45A	13.2A	13.2A
ANCW Iq(LBA)	1.18A	1.73A	1.3A	1.73A	10A	10A
76D2 F	2.5A	2.5A	2.5A	2.5A	3.4A	3.4A
ANCW Iq(LCC)	2.59A	3.45A	2.59A	3.45A	13.2A	13.2A
ANCW Iq(LBA)	1.18A	1.73A	1.3A	1.73A	10A	10A
86D2 F	2.5A	2.5A	2.5A	2.5A	3.4A	3.4A
ANCW Iq(LCC)	2.59A	3.45A	2.59A	3.45A	13.2A	13.2A
ANCW Iq(LBA)	1.18A	1.73A	1.3A	1.73A	10A	10A



3N-400V 50Hz 4PE
 N L1 L2 L3 PE
 VER MANUAL INSTALACION
 SEE INSTALLATION MANUAL (IOM)
 VOIR LE MANUEL D'INSTALLATION
 SIEHE INSTALLATIONSHANDBUCH (IOM)

30 mA

01

Q2

X1

CM1 3~

CM3 3~

FM1 3~

EF1 1~

EH1 3~

FM2 3~

EF2 1~

EH2 3~

CFM1 1~

CFM2 1~

FSC1

FSC2

F5

F20 10A

A(3-1)

B(4-1)

C(5-1)

D(5-1)

E(5-1)

H(3-15)

J(4-15)

K(4-15)

TF1

TF2

230V~

DA01

DA02

222 224

230V~

3x1A

F23

F24

F25

F26

F27

F28

F29

F30

F31

F32

F33

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F100

Elemento Opcional
 Element
 Element optional
 Elementes bautteil

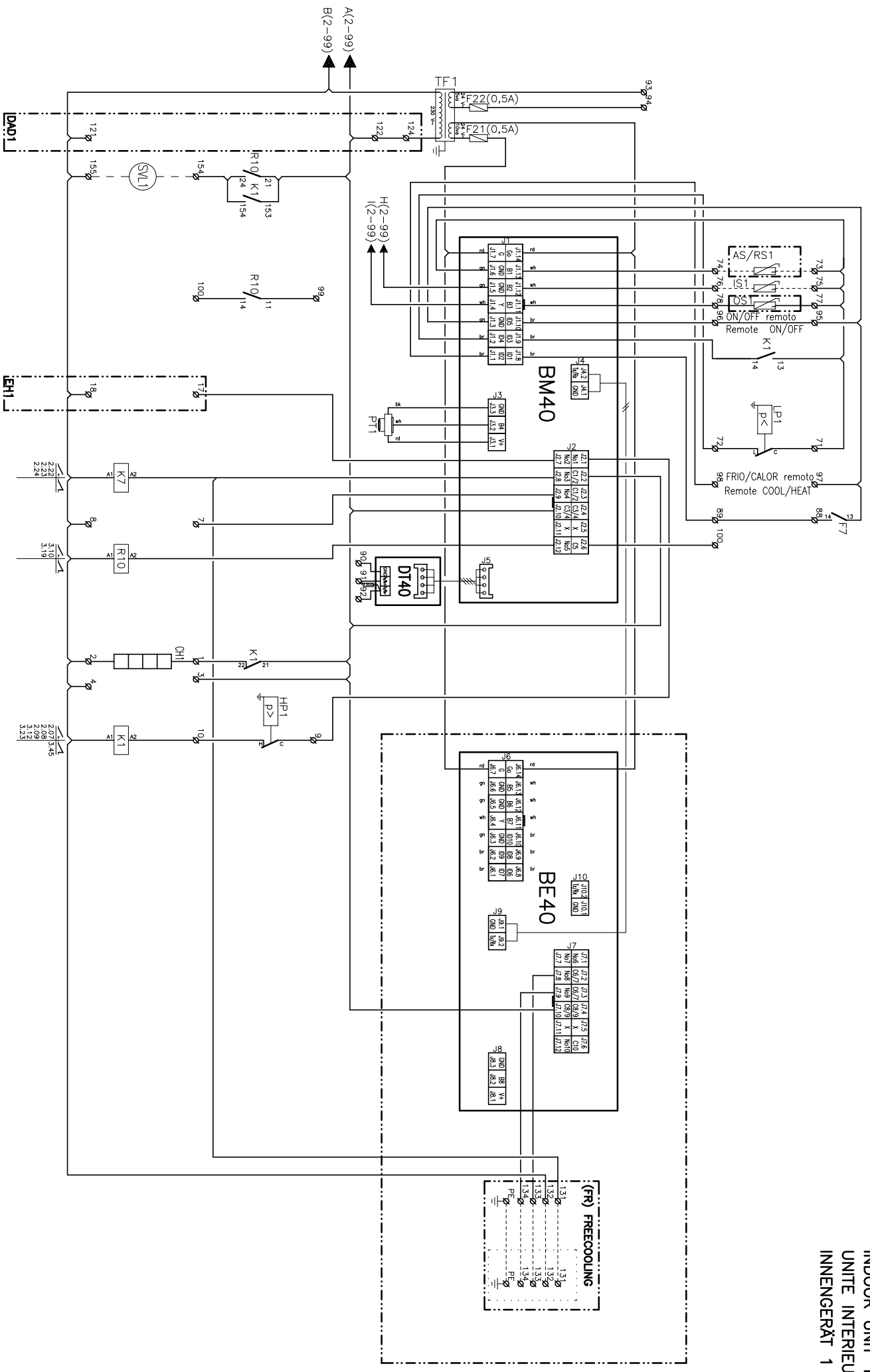
A realizar por el instalador
 To wire by the installer
 A cobbler par l'installateur
 Verdrahtung durch den installateur

2/9
 Lemnox Refrac S.A.
 ESQUEMA ELECTRICO
 ELECTRIC DIAGRAM

ANCMS2D2-64D2-76D2-86D2
 (LECM+KNCM) KIT -15°C

4Z-33-415-718 10U
 3N ~ 400V 50Hz + PE

UNIDAD INTERIOR 1
 INDOOR UNIT 1
 UNITE INTERIEUR 1
 INNENGERÄT 1



Elemento Opcional
 Optional Element
 Element optionel
 Optionales bauteil

A realitzar per el instal·lador
 To wire by the installer
 A cobrir per l'instal·lador
 Verdrahtung durch den Installateur

3/9
 Lennox Refrac S.A.

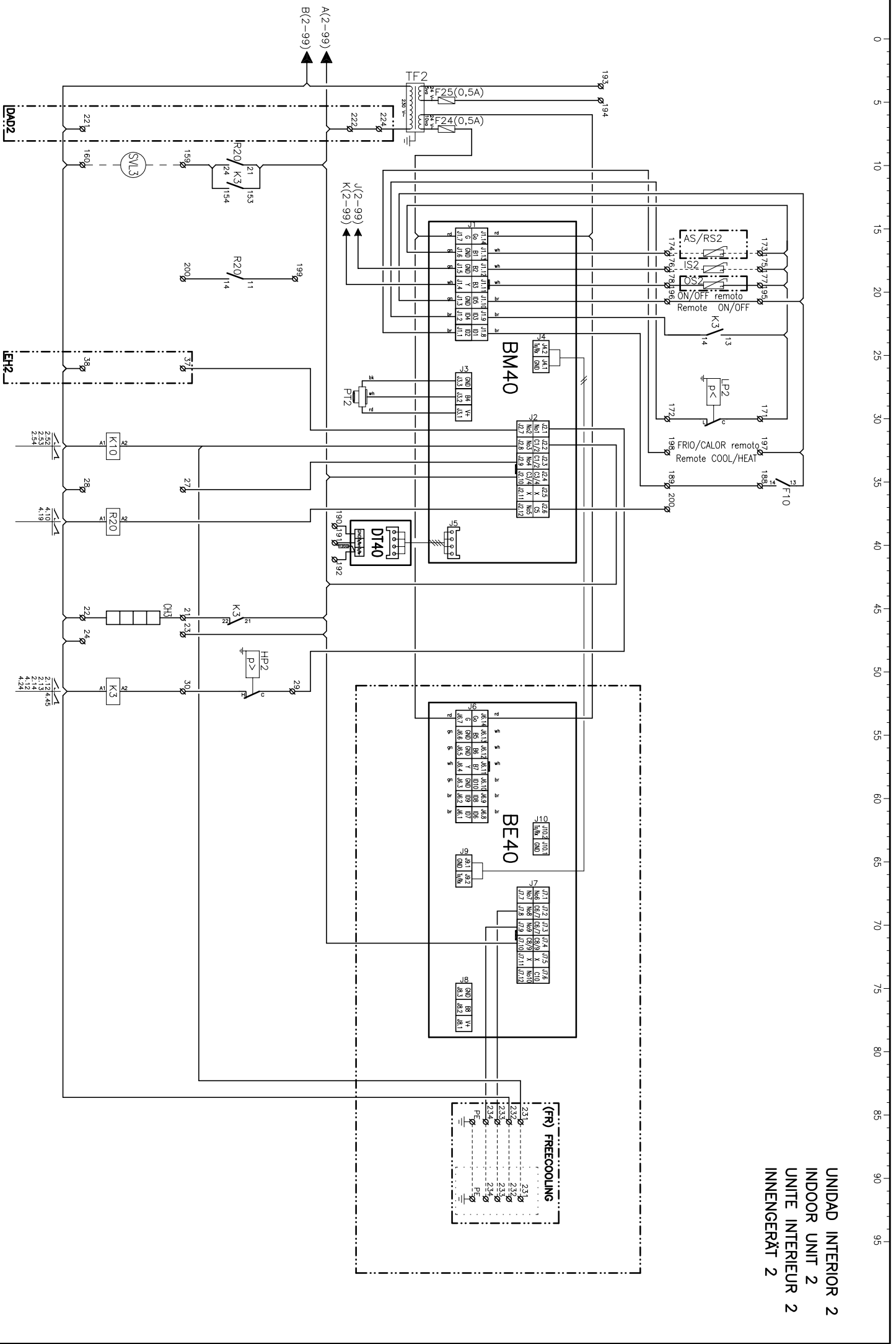
ESQUEMA ELECTRICO
 ELECTRIC DIAGRAM

ANCMS2D2-64D2-76D2-86D2
 (LECM+KNCM) KIT -15°C

4Z-33-415-718 10U
 3N ~ 400V 50Hz + PE

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95

UNIDAD INTERIOR 2
 INDOOR UNIT 2
 UNITE INTERIEUR 2
 INNENGERÄT 2



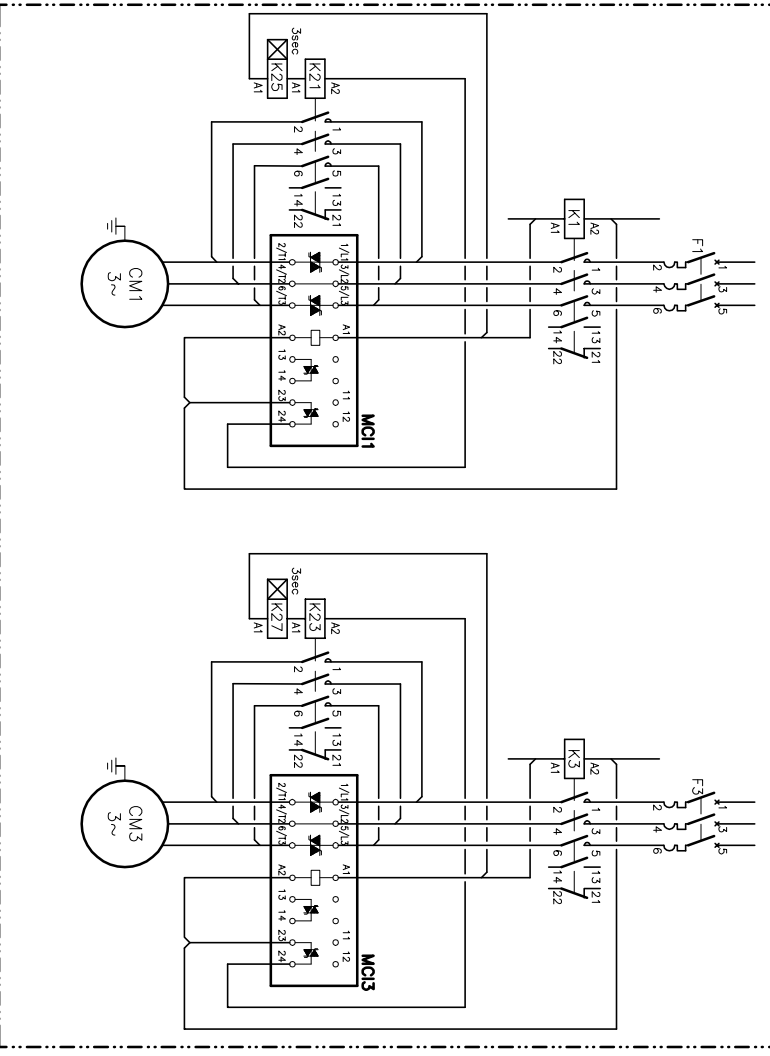
Elemento Opcional
 Optional Element
 Element optionnel
 Optionales bauteil

A realitzar per el instal·lador
 To wire by the installer
 A câbler par l'installateur
 Verdrahtung durch den Installateur

4/9
 Lennox Refrac S.A.
 ESQUEMA ELECTRICO
 ELECTRIC DIAGRAM
 ANCM52D2-64D2-76D2-86D2
 (LECM+KNCM) KIT -15°C
 4Z-33-415-718 10U
 3N ~ 400V 50Hz + PE

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95

(SFS) SOFT STARTED

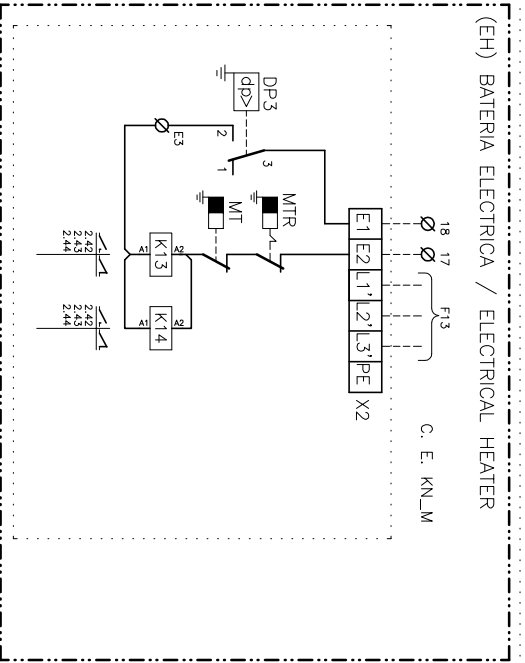


Elemento Opcional
 Optional Element
 Element optionnel
 Optionales bauteil

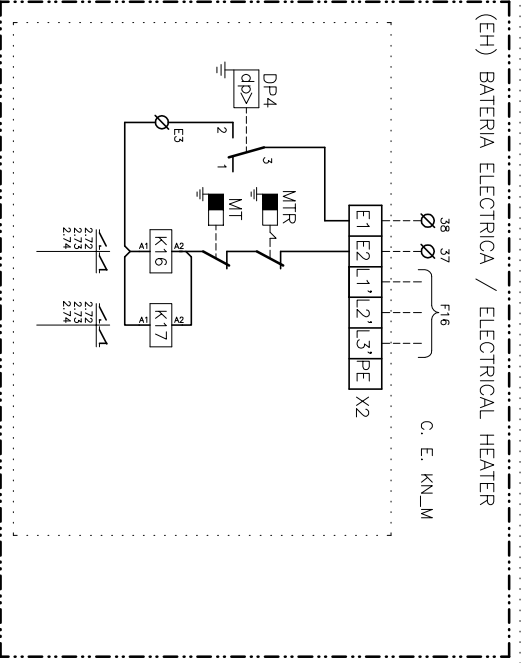
A realitzar per el instalador
 To wire by the installer
 A câbler par l'installateur
 Verdrahtung durch den installateur

5/9	Lemnox Refrac S.A.	ESQUEMA ELECTRICO ELECTRIC DIAGRAM	ANCM52D2-64D2-76D2-86D2 (LECM+KNCM) KIT -15°C	4Z-33-415-718 10J 3N ~ 400V 50Hz + PE
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0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95



UNIDAD INTERIOR 1
 INDOOR UNIT 1
 UNITE INTERIEUR 1
 INNENGERÄT 1



UNIDAD INTERIOR 2
 INDOOR UNIT 2
 UNITE INTERIEUR 2
 INNENGERÄT 2

Elemento Opcional
 Optional Element
 Element optionnel
 Optionales bauteil

A realizar por el instalador
 To wire by the installer
 A câbler par l'installateur
 Verdrahtung durch den installateur

6/9

Lemnox Refrac S.A.

ESQUEMA ELECTRICO
 ELECTRIC DIAGRAM

ANCM52D2-64D2-76D2-86D2
 (LECM+KNCM) KIT -15°C

4Z-33-415-718 10J
 3N ~ 400V 50Hz + PE

0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95

(DAD) CONTROL DETECCIÓN DE HUMOS
(DAD) SMOKE DETECTION CONTROL

UNIDAD INTERIOR 1/ INDOOR UNIT 1
 UNITE INTERIEUR 1/ INNENGERÄT 1

CUADRO PRINCIPAL/MAIN ELECTRICAL BOARD
 COFFRET ELECTRIQUE/HAUPTPLATINE

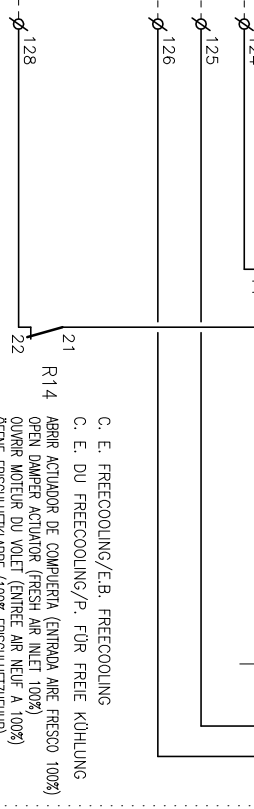
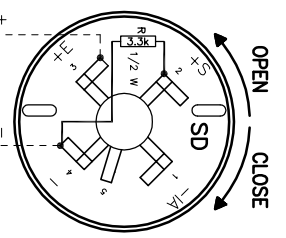
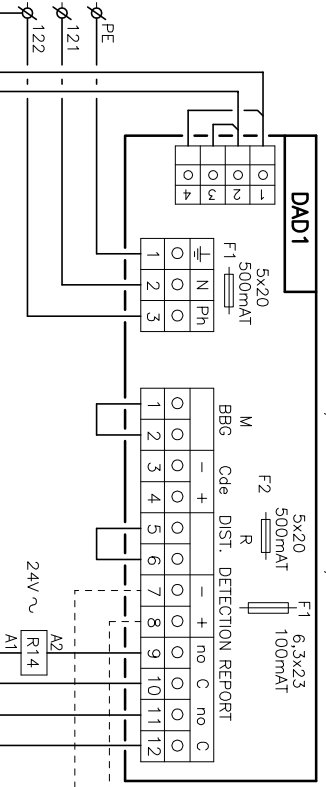
RETIRAR PUENTE SI SE MONTA DAD
 REMOVE LINK FOR DAD OPERATION
 RETIRER LE POND S'IL Y A DAD
 ENTFERNE DIE VERBINDUNG ZUM DAD

PARO UNIDAD
 SHUT-DOWN UNIT
 ARRÊT UNITE
 GERÄT ABSCHALTEN

SEÑAL DE ALARMA
 ALARM SIGNAL
 SIGNALISATION D'ALARME
 ALARMELDUNG

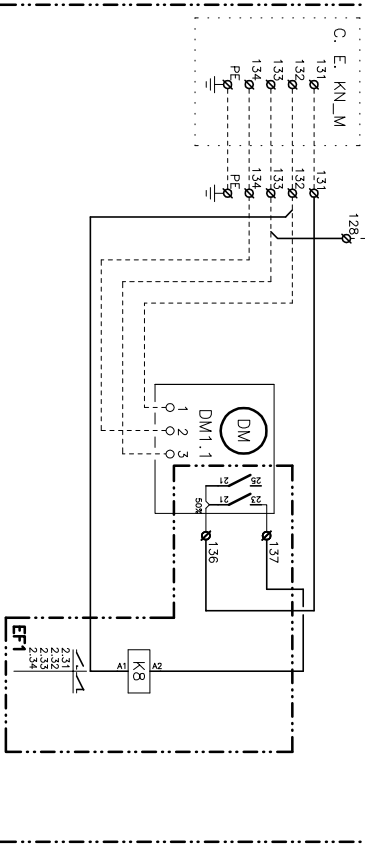


CUADRO ELECTRICO DAD/ELECTRICAL BOARD DAD
 COFFRET ELECTRIQUE DAD/PLATINE FÜR DAD/PRINT VOOR DAD

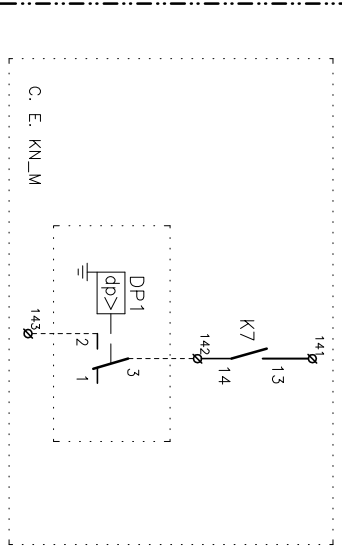


C. E. FREECOOLING/E.B. FREECOOLING
 C. E. DU FREECOOLING/P. FÜR FREIE KÜHLUNG
 ABRIR ACTUADOR DE COMPUSERIA (ENTRADA AIRE FRESCO 100%)
 OPEN DAMPER ACTUATOR (FRESH AIR INLET 100%)
 OUVRIRE MOTEUR DU VOILET (ENTRÉE AIR NEUF A 100%)
 ÖFNE FRISCHLUFKLAPPE (100% FRISCHLUFZUFUHR)

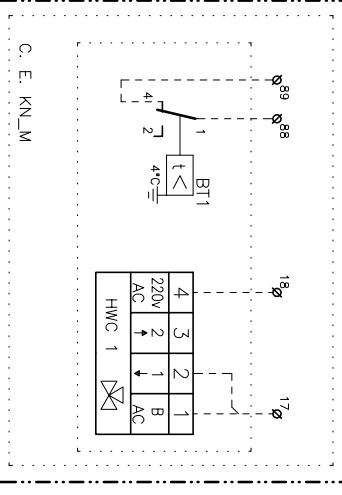
(FR) FREECOOLING



(DFD) DETECTOR FILTRO SUCIO
(DFD) DIRTY FILTER DETECTOR



(HWC) BATERIA AGUA CALIENTE
(HWC) HOT WATER COIL



Elemento Opcional
 Optional Element
 Element optionnel
 Optionales bauteil

A realizar por el instalador
 To wire by the installer
 A câbler par l'installateur
 Verdrahtung durch den installateur

7/9
 Lemnox Refrac S.A.

ESQUEMA ELECTRICO
 ELECTRIC DIAGRAM

ANCMS2D2-64D2-76D2-86D2
(LECM+KNCM) KIT -15°C

4Z-33-415-718 10J
 3N ~ 400V 50Hz + PE

(DAD) CONTROL DETECCIÓN DE HUMOS
(DAD) SMOKE DETECTION CONTROL

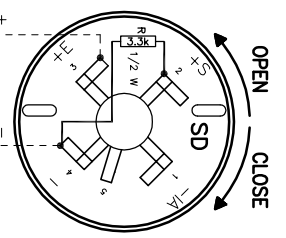
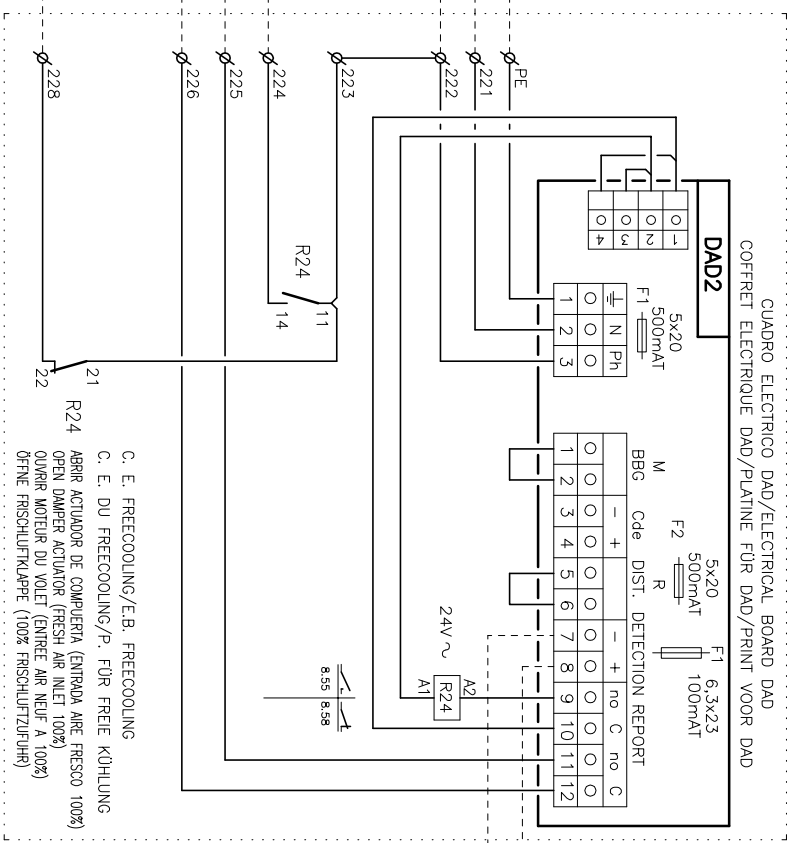
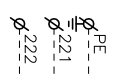
UNIDAD INTERIOR 2/ INDOOR UNIT 2
 UNITE INTERIEUR 2/ INNENGERÄT 2

CUADRO PRINCIPAL/MAIN ELECTRICAL BOARD
 COFFRET ELECTRIQUE/HAUPTPLATINE

RETIRAR PUENTE SI SE MONTA DAD
 REMOVE LINK FOR DAD OPERATION
 RETIRER LE POND S'IL Y A DAD
 ENTFERNE DIE VERBINDUNG ZUM DAD

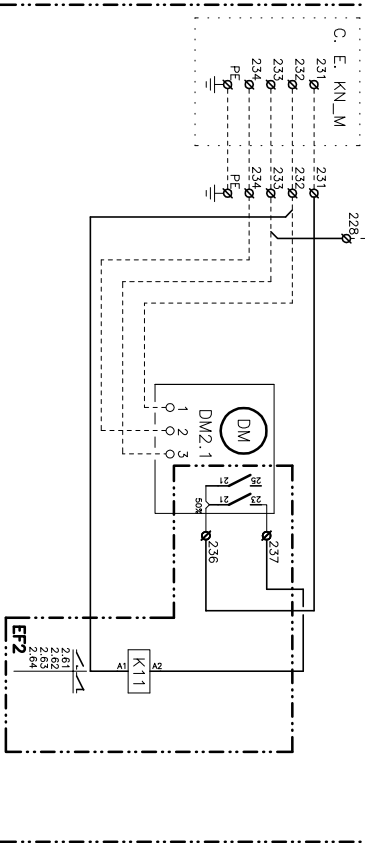
PARO UNIDAD
 SHUT-DOWN UNIT
 ARRÊT UNITE
 GERÄT ABSCHALTEN

SEÑAL DE ALARMA
 ALARM SIGNAL
 SIGNALISATION D'ALARME
 ALARMELDUNG

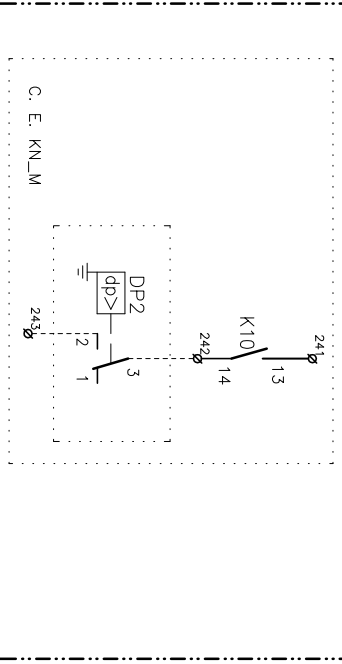


C. E. FREECOOLING/E.B. FREECOOLING
 C. E. DU FREECOOLING/P. FÜR FREIE KÜHLUNG
 ABRIR ACTUADOR DE COMPUESTA (ENTRADA AIRE FRESCO 100%)
 OPEN DAMPER ACTUATOR (FRESH AIR INLET 100%)
 OUVRIRE MOTEUR DU VOLET (ENTRÉE AIR NEUF A 100%)
 ÖFFNE FRISCHLUFKLAPPE (100% FRISCHLUFZUFUHR)

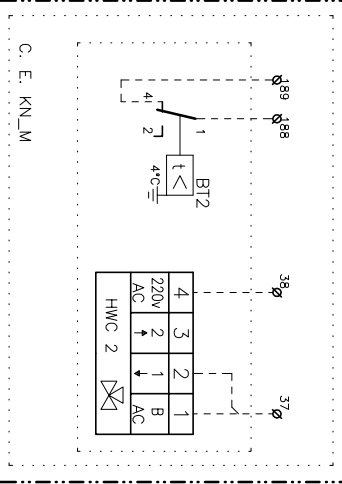
(FR) FREECOOLING



(DFD) DETECTOR FILTRO SUCIO
(DFD) DIRTY FILTER DETECTOR



(HWC) BATERIA AGUA CALIENTE
(HWC) HOT WATER COIL



Elemento Opcional
 Optional Element
 Element optionel
 Optionales bauteil

A realizar por el instalador
 To wire by the installer
 A cobler par l'installateur
 Verdrahtung durch den installateur

8/9
 Lennox Refrac S.A.

ESQUEMA ELECTRICO
 ELECTRIC DIAGRAM

ANCMS2D2-64D2-76D2-86D2
 (LECM+KNCM) KIT -15°C

4Z-33-415-718 10U
 3N ~ 400V 50Hz + PE

0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95
AS/RS BM40	Sonda temperatura ambiente remoto	LEYENDA	LEGEND	REFERENCE	LEGENDE														
Cd	Modulo logico		Ambient remote sensor	Module de Control	Umgebungsfertfühler														
CH	Condensador		Capacitor	Condensateur	Logic Modul														
CFM	Resistencia de carter		Crankcase heater	Resistance de carter	Kondensator														
CM	Motor ventilador exterior		Compressor fan motor	Motor ventilateur extérieur	Kurbelwärmehheizung														
DAD	Motor compresor		Compressor motor	Compresseur	Kondensatorlüftermotor														
DM	Control deteccion de humos		Smoke detection control	Détecteur fumées	Kompressor														
DPT	Servomotor compuerta		Damper actuator	Servomoteur registre	Ausleseinheitraumheider														
DI40	Detector filtros sucios		Dirty filter detector	Détecteur filtres encrassés	Klappenontrieb														
EF	Modulo TTL-485		TTL-485 Module	Module de TTL-485	Differenzdruckwächter														
EH	Ventilador de extraccioion		Exhaust fan	Ventilateur d'extroction	TTL-485 Modul														
F1-7	Bateria eléctrica		Electrical heater	Résistance électrique	Abuftüfiter														
F20	Magnetotérmico		Circuitbreaker	Disjoncteur	Heizstufe														
F21-22-23	Magnetotérmico		Circuitbreaker	Disjoncteur	Motor/SchutzSchalter														
F31-34	Fusible del TF1-SC		FF-1-SC fuse	Fusible TF1-SC	Motor/SchutzSchalter														
F35-36-38-39	Módulo protección compresor		Compressor protector module	Module protection du compresseur	TF1-SC Schutz														
FC	Protección térmica		Thermal protection	Protection thermique	Therm. Kompresorrelais														
FM	Freecooling		Freecooling	Freecooling	Therm. Relais														
FSC	Motor ventilador interior		Indoor fan motor	Motor ventilateur intérieur	Freie-Kühlung														
HP1-2	Control de condensación		Fan speed control	Variateur de vitesse du ventilateur	Innenventilatormotor														
HPRL-1-2	Presostato de alta		High pressure pressostat	Pressostat HP	Kondensationsdruckregelung														
HWC	Presostato CPC		CPC pressure switch	Pressostat du control de pression condensation	Hochdruckpressostat														
lq(LRA)	Bateria agua caliente		Hot Water Coil	la bobine de l'eau chaude	Kondensationsdruckregelungpressostat														
lm(MCC)	Intensidad de arranque		Starting current	Intensité de démarrage	---														
IS1-2	Intensidad máxima		Maximum current	Intensité maximal	Anlaufstrom														
K	Sonda temperatura bateria interior		Indoor coil temperature sensor	Sonde temp. batterie interieures	Maximale stromstärke														
LD	Contacto		Contacteur	Contacteur	Temperaturfühler Verdampfer 1														
LP1-2	Kit larga distancia tubería		Kit piping long distance	Kit longues distances tuyauterie	Schutz														
MT	Presostato baja		Low pressure pressostat	Pressostat BP	Niederdruckpressostat														
MTR	Termostato seguridad (70°C automático)		Safety thermostat (open 70° autom. reser)	T. securité (70°C automatique)	Sicherheitssther. (70° automatisch)														
OS	Termostato seguridad (105°C manual)		Safety thermostat (open 105° manu. reser)	T. securité (105°C manuel)	Sicherheitssther. (105° manuel)														
PT1-2	Sonda temperatura exterior		Outdoor temperature sensor	Sensur extérieure du temperature	Drucktransmitter														
O	Transductor de presion refrigerante		Refrigerant pressure transducer	Transducteur de pression	Haupt/Schalter														
Q1	Interruptor general		Main switch	Interrupteur général	Schalter														
Q2	Interruptor diferencial		Ground safety switch	Interrupteur différentiel	Hilfsschalt														
R1-20	Relé auxiliar		Circuit breaker	Relais auxiliaire	Motor/SchutzSchalter														
RC	Relé magnotérmico		Magneto relay	Interrupteur magneto thermique	Hilfsrelais														
RC	Control Remoto		Remote Control	Contrôleur de Débit	Stromungswächter/SchwimmSchalter														
RFM	Ventilador de retorno		Return Fan Motor	Ventilateur de reprise	Rückluftlüftermotor														
SC	Relé control de secuencia-fallo de fases		Phase sequence and failure control relay	Détecteur de phases	Phasenfolgerüberwachung+Störmel														
SD	Sensor detector de humos		Smoke detection sensor	Tête de détection de fumées	Rauchmelder														
SFS	Arrancador suave		Soft starter	Démoureur progressif	Softstarter/Sanftanlauf														
SV	Válvula solenoid		Solenoid valve	Vanne solénoïde	Magneventil														
TF1-2	Transformador		Transformer	Transformateur	Transformator														
TS1-2	Sonda temperatura condensacion		Condensing temperature sensor	Sonde temp. condensation	Temperaturfühler Kondensator 1														
bk	CODIGO DE COLORES		COLOUR CODE	CODE COLEUR	FARBKENNUNG														
br	negro		black	noir	schwarz														
brn	brown		brown	brun	braun														
rd	rojo		red	rouge	rot														
or	naranja		orange	orange	orange														
yl	amarillo		yellow	jaune	gelb														
gn	verde		green	vert	grün														
bl	azul		blue	bleu	blau														
vi	violeta		violet	violet	violett														
gr	gris		gray	gris	grau														
wh	blanco		white	blanc	weiss														

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Lemnox Refrac S.A.

ESQUEMA ELECTRICO
ELECTRIC DIAGRAM

ANCMS2D2-64D2-76D2-86D2
(LECM+KNCM) KIT -15°C

4Z-33-415-718 10J
3N ~ 400V 50Hz + PE