

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

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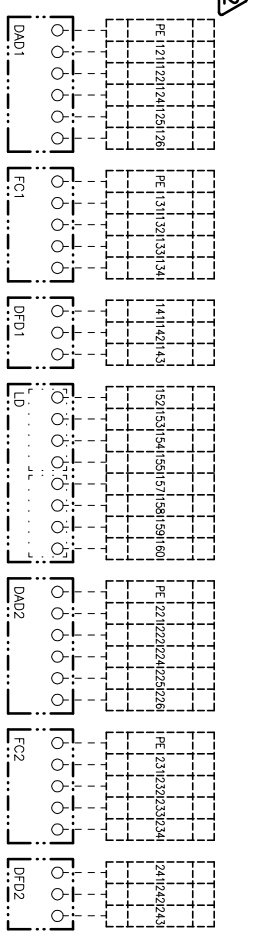
ESQUEMA ELECTRICO  
WIRING DIAGRAM  
SCHEMA ELECTRIQUE  
SCHALTPLAN

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

<b>%</b>	Lemnox Refrac S.A.	ESQUEMA ELECTRICO ELECTRIC DIAGRAM	<b>ANH52D2-64D2-76D2-86D2</b> (LEHM+KNHM)	4Z-3S-4I5-8I7 10J 3N ~ 400V 50Hz + PE
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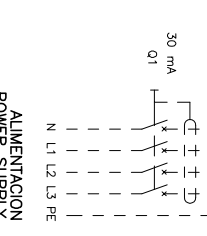
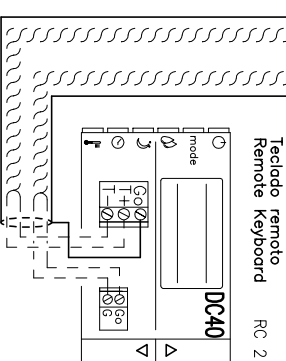
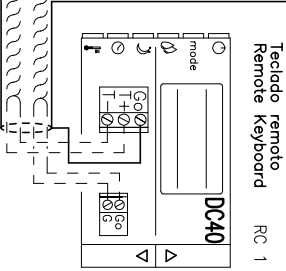
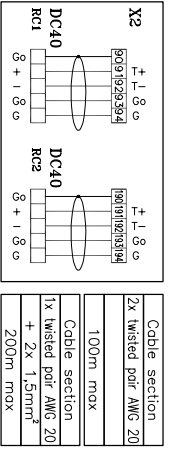
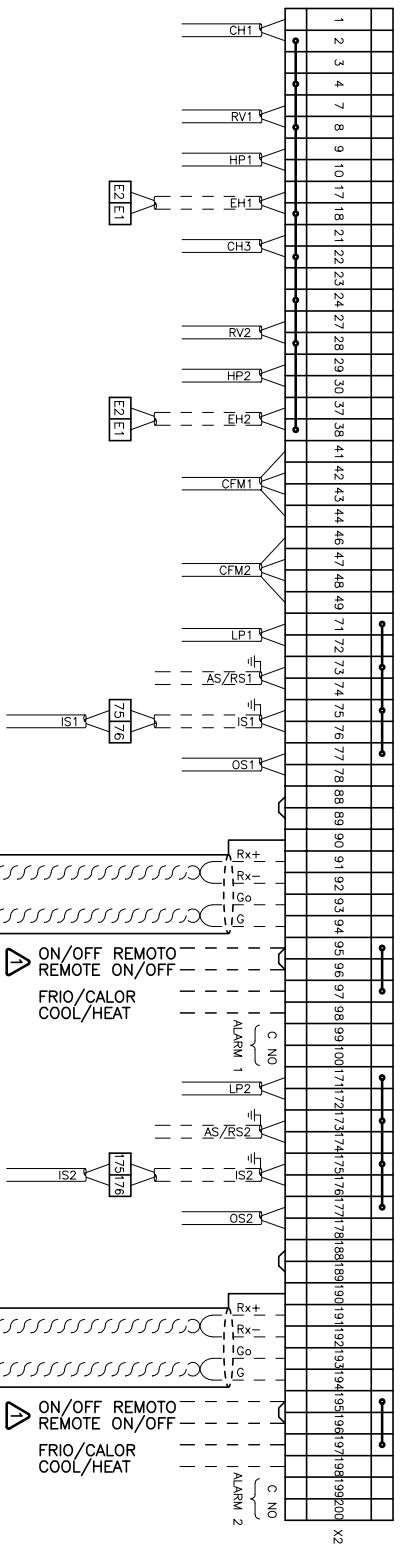
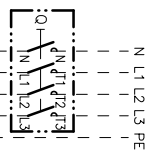
0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75 80 85 90 95



**⚠** 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  
 ENFERNE 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)



ALIMENTACION  
 POWER SUPPLY  
 ALIMENTATION  
 STROMZULEITUNG

3N~400V 50Hz+PE

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

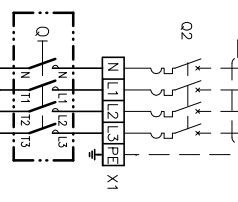
**1/9** Lennox Refrac S.A.

ESQUEMA ELECTRICO  
 ELECTRIC DIAGRAM

**ANHMH52D2-64D2-76D2-86D2**  
 (LEHM+KNHM)

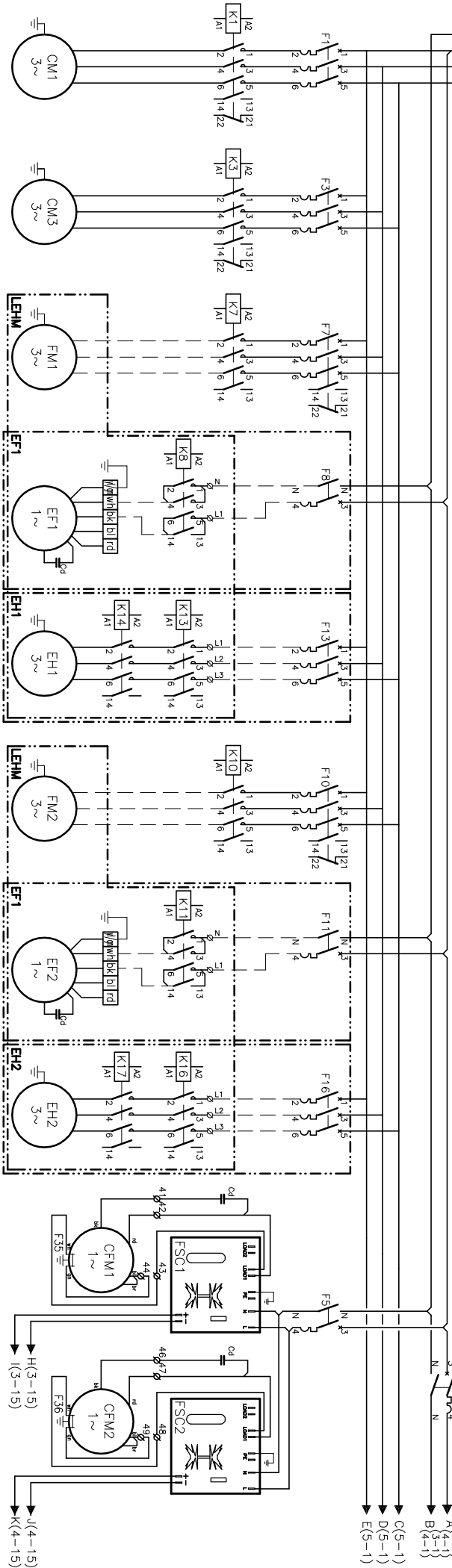
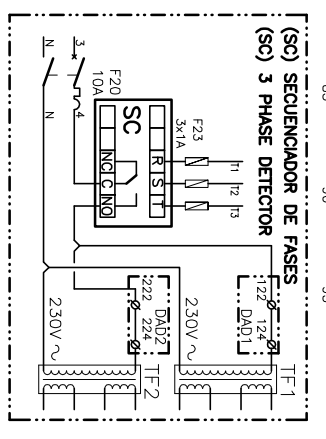
4Z-33-415-817 10U  
 3N ~ 400V 50Hz + PE

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



7,5Kw Ist	Im(CC) Iq(LRA)	EH1
16A		10,8A
11Kw Ist	Im(CC) Iq(LRA)	EH2
20A		15,9A
15Kw Ist	Im(CC) Iq(LRA)	EH3
25A		21,7A

7,5Kw Ist	Im(CC) Iq(LRA)	EH2
16A		10,8A
11Kw Ist	Im(CC) Iq(LRA)	EH3
20A		15,9A
15Kw Ist	Im(CC) Iq(LRA)	EH4
25A		21,7A



	STD	HIGH	STD	HIGH	3A	3A
ANHM Iq(LRA)	111A	21A	13A	17,3A	12A	12A
52D2 F	25A	2,5A	1,3A	2,5A	10A	10A
Im(CC)	22A	2,5A	1,3A	2,5A	3,4A	3,4A
Iq(LRA)	118A	118A	2,59A	3,45A	13,2A	13,2A
64D2 F	25A	2,5A	1,3A	17,3A	10A	10A
Im(CC)	25A	2,5A	1,3A	2,5A	3,4A	3,4A
Iq(LRA)	118A	118A	2,59A	3,45A	13,2A	13,2A
ANHM Iq(LRA)	111A	21A	13A	17,3A	12A	12A
76D2 F	25A	2,5A	1,3A	2,5A	10A	10A
Im(CC)	25A	2,5A	1,3A	2,5A	3,4A	3,4A
Iq(LRA)	118A	118A	2,59A	3,45A	13,2A	13,2A
ANHM Iq(LRA)	111A	21A	13A	17,3A	12A	12A
86D2 F	25A	2,5A	1,3A	2,5A	10A	10A
Im(CC)	25A	2,5A	1,3A	2,5A	3,4A	3,4A
Iq(LRA)	118A	118A	2,59A	3,45A	13,2A	13,2A

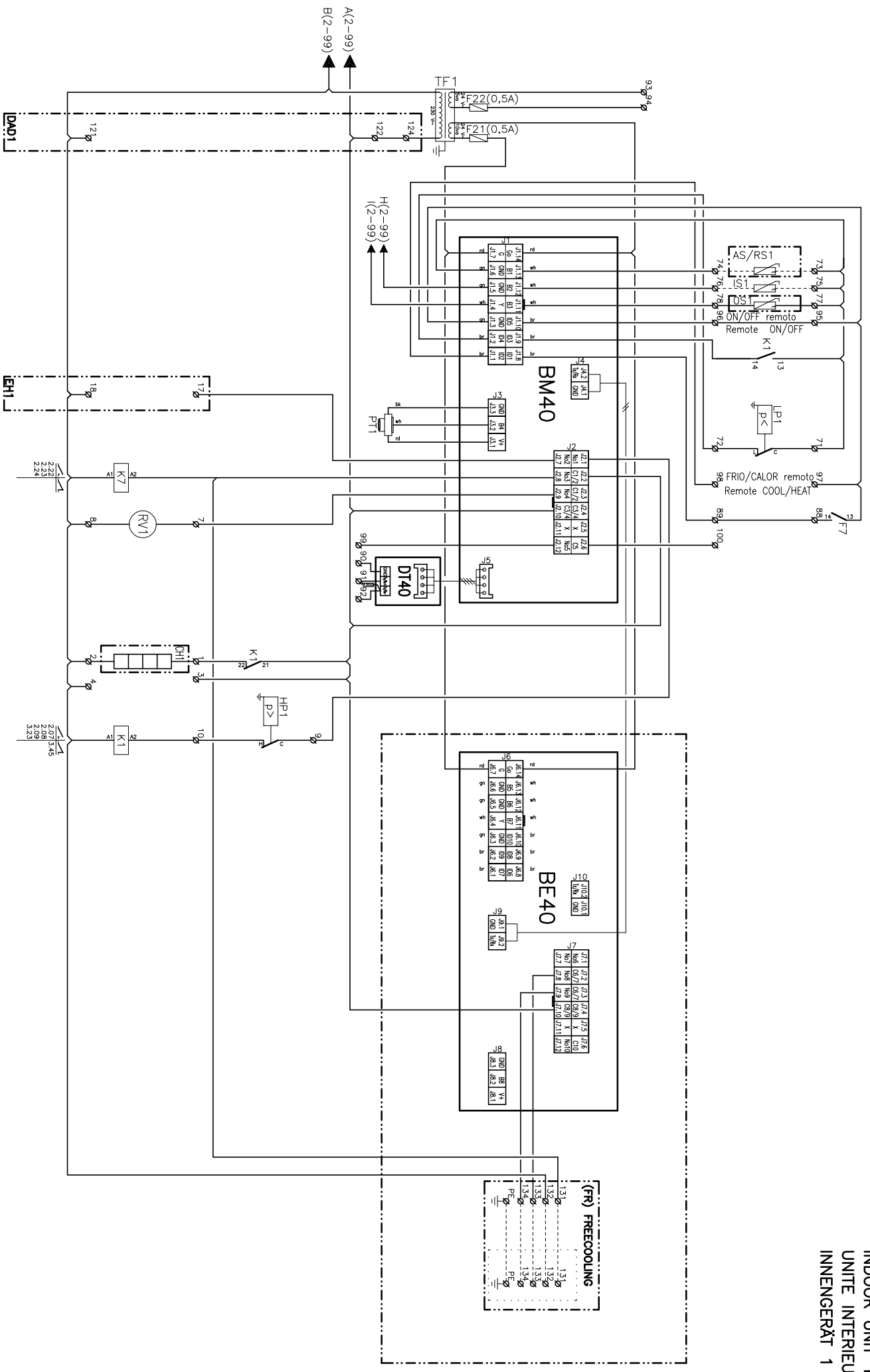
Elemento Opcional  
 Element Opcional  
 Element optionnel  
 Elementes bautteil

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

**2/9** Lennox Refrac S.A. ESQUEMA ELECTRICO ANHMS2D2-64D2-76D2-86D2 (LEHM+KNHM) 4Z-33-415-817 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 1  
 INDOOR UNIT 1  
 UNITE INTERIEUR 1  
 INNENGERÄT 1



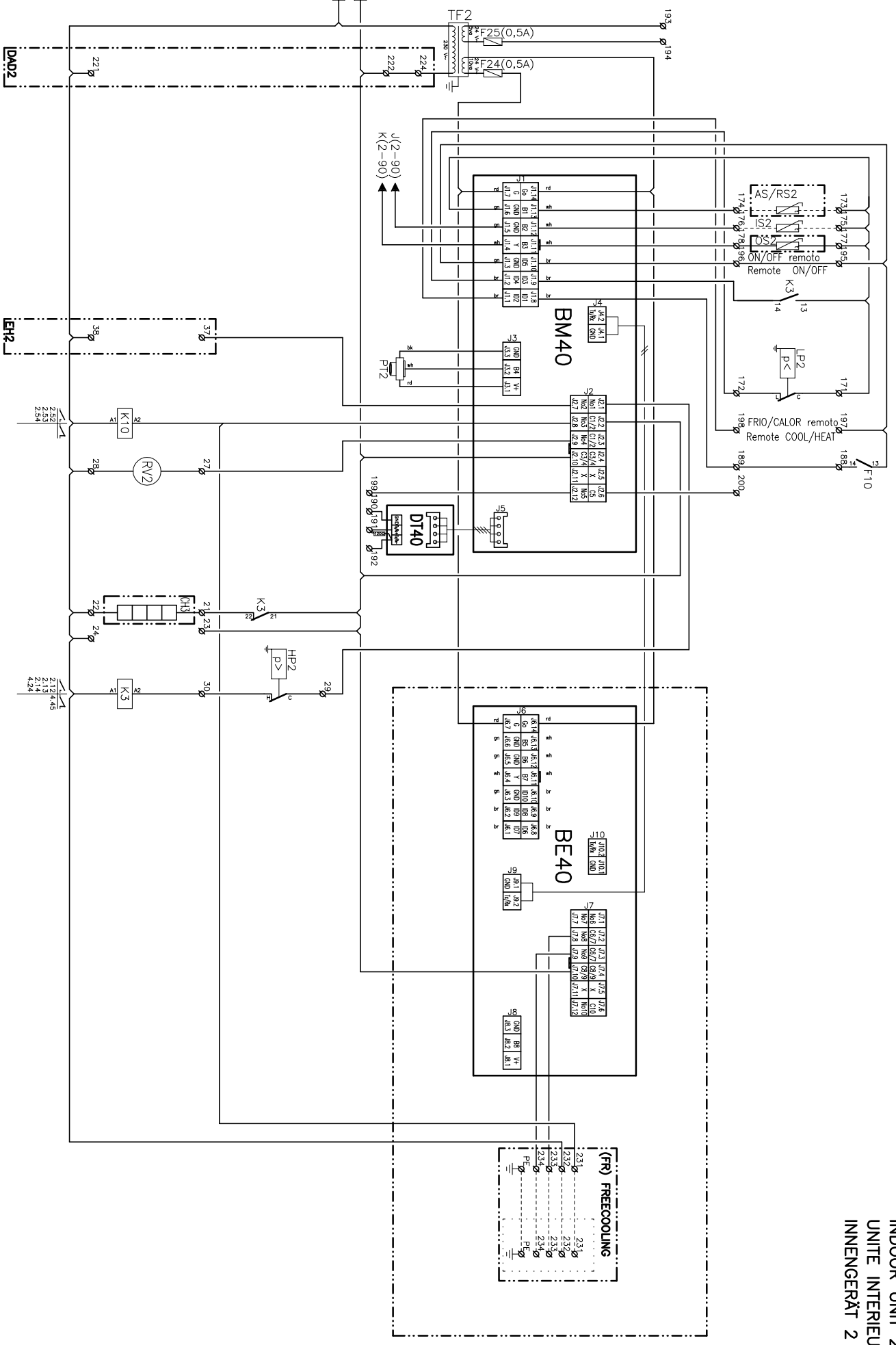
Elemento Opcional  
 Optional Element  
 Element optionel  
 Optionales bauteil

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

3/9  
 Lennox Refrac S.A.  
 ESQUEMA ELECTRICO  
 ELECTRIC DIAGRAM  
 ANHMH52D2-64D2-76D2-86D2  
 (LEHM+KNHM)  
 4Z-33-415-817 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**



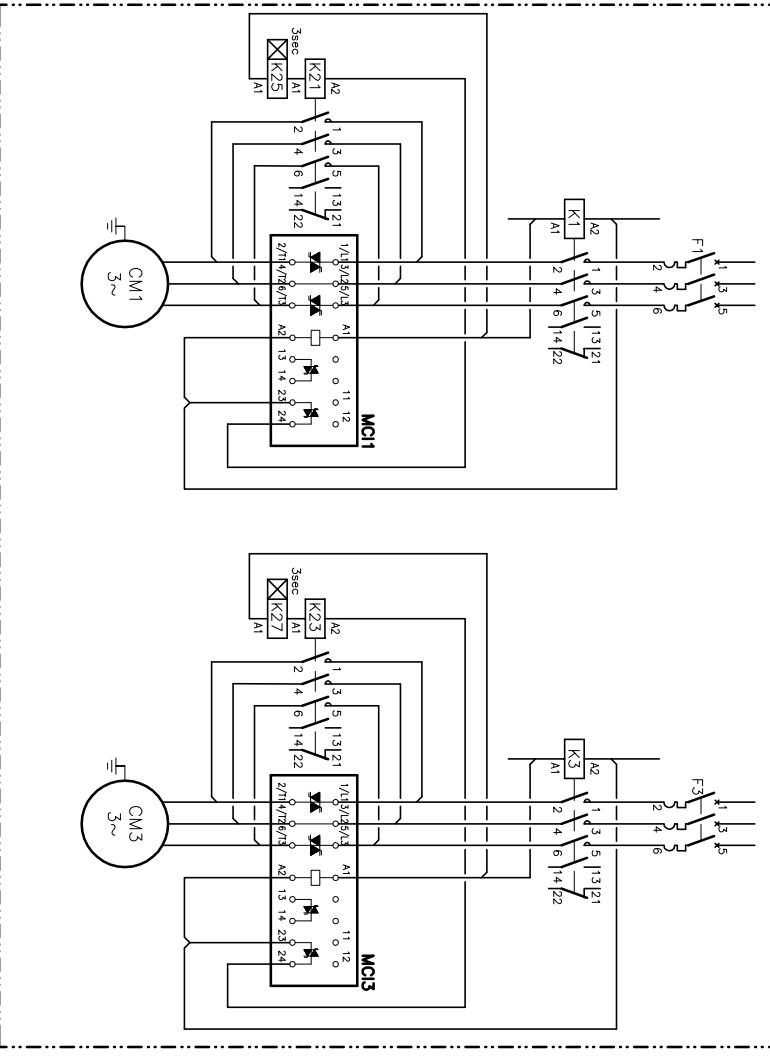
Elemento Opcional  
 Optional Element  
 Element optionel  
 Optionales bauteil

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

4/9  
 Lennox Refrac S.A.  
 ESQUEMA ELECTRICO  
 ELECTRIC DIAGRAM  
 ANHMS2D2-64D2-76D2-86D2  
 (LEHM+KNHM)  
 4Z-3S-41S-817 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**



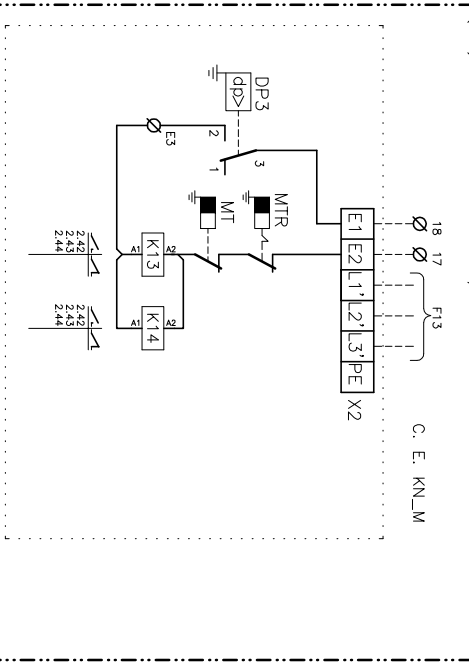
Elemento Opcional  
 Optional Element  
 Element optionnel  
 Optionales bauteil

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

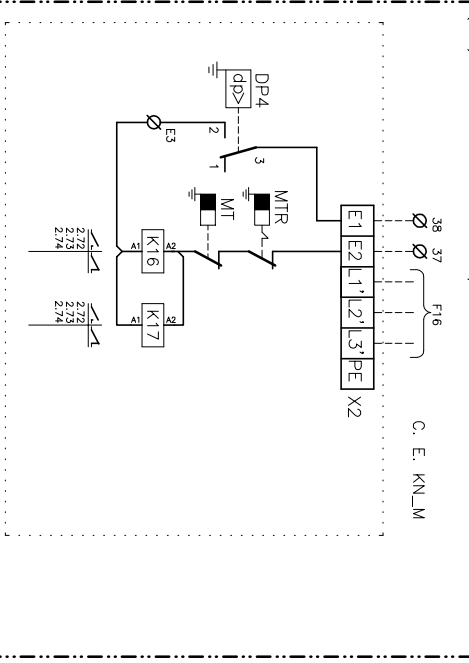
<b>5/9</b>	Lemnox Refrac S.A.	ESQUEMA ELECTRICO ELECTRIC DIAGRAM	<b>ANHMH52D2-64D2-76D2-86D2</b> (LEHM+KNHM)	4Z-33-415-817 10U 3N ~ 400V 50Hz + PE
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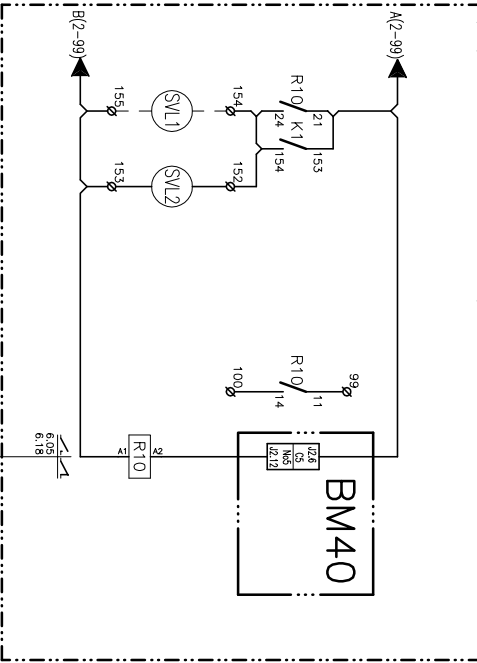
(EH) BATERIA ELECTRICA / ELECTRICAL HEATER



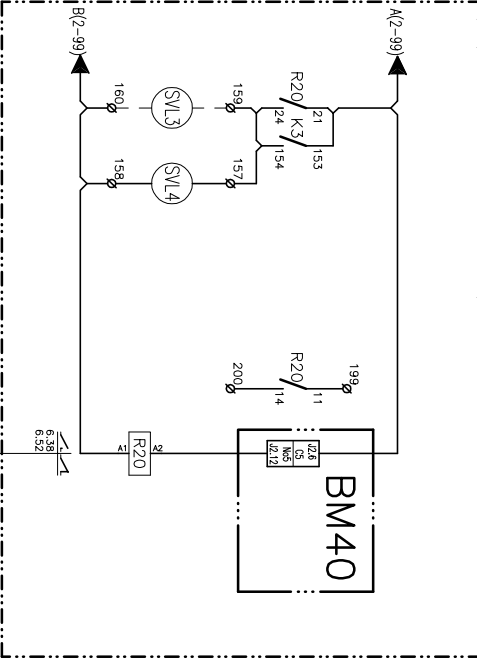
(EH) BATERIA ELECTRICA / ELECTRICAL HEATER



(LD) KIT LARGA DISTANCIA / LONG DISTANCE KIT



(LD) KIT LARGA DISTANCIA / LONG DISTANCE KIT



UNIDAD INTERIOR 1  
INDOOR UNIT 1  
UNITE INTERIEUR 1  
INNENGERÄT 1

UNIDAD INTERIOR 2  
INDOOR UNIT 2  
UNITE INTERIEUR 2  
INNENGERÄT 2

Opcional Element  
Element optionnel  
Optionales bauteil

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

6/9

Lennox Refrac S.A.

ESQUEMA ELECTRICO  
ELECTRIC DIAGRAM

ANH52D2-64D2-76D2-86D2  
(LEHM+KNHM)

4Z-33-415-817 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

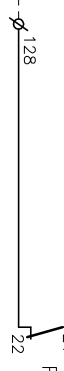
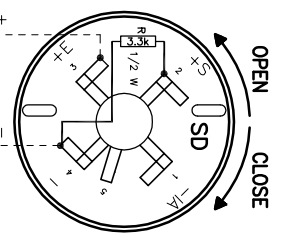
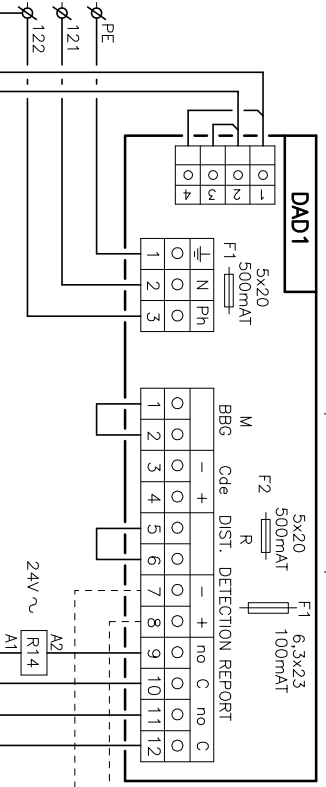
RETIRAR PUENTE SI SE MONTA DAD  
REMOVE LINK FOR DAD OPERATION  
RETRIERE LE POND S'IL Y A DAD  
ENTFERNE DIE VERBINDUNG ZUM DAD

PARO UNIDAD  
SHUT-DOWN UNIT  
ARRÊT UNITE  
GERÄT ABSCHALTEN

SEÑAL DE ALARMA  
ALARM SIGNAL  
SIGNALSATION D'ALARME  
ALARMBELDUNG



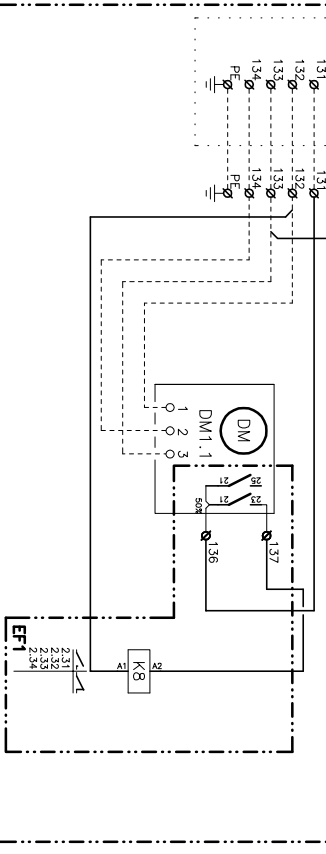
CUADRO ELECTRICO DAD/ELECTRICAL BOARD DAD  
COFFRET ELECTRIQUE DAD/PLATINE FÜR DAD/PRINT VOOR DAD



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 VOLET (ENTRÉE AIR NEUF A 100%)  
ÖFNE FRISCHLUFKLAPPE (100% FRISCHLUFZUFUHR)

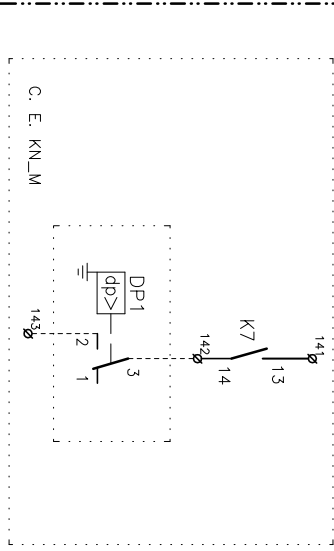
**(FR) FREECOOLING**

C. E. KN\_M



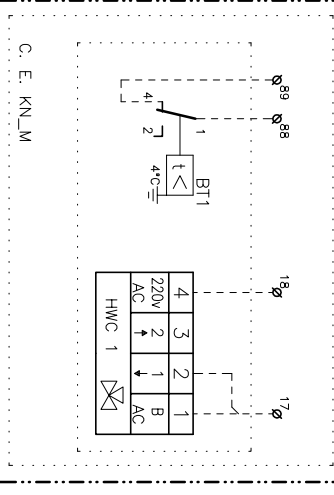
**(DFD) DETECTOR FILTRO SUCIO**  
**(DFD) DIRTY FILTER DETECTOR**

C. E. KNLM



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

C. E. KN\_M



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

ANHMS2D2-64D2-76D2-86D2  
(LEHM+KNHM)

4Z-33-415-817 10U  
3N ~ 400V 50Hz + PE



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

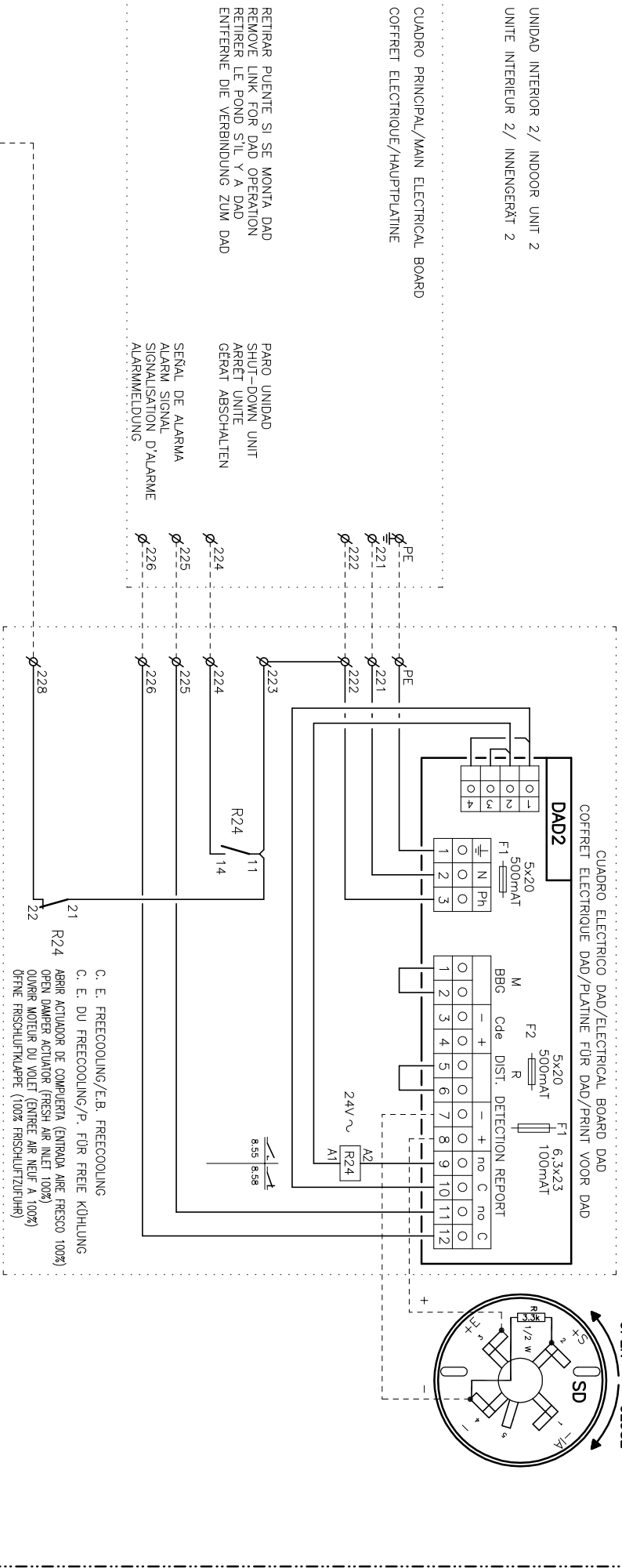
UNIDAD INTERIOR 2/ INDOOR UNIT 2  
 UNITE INTERIEUR 2/ INNENGERÄT 2

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

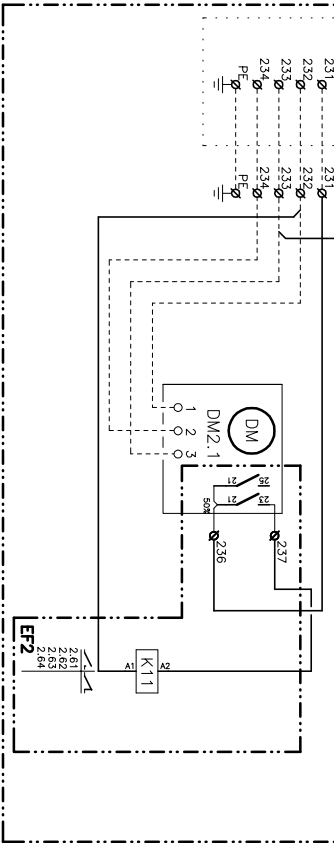
PARO UNIDAD  
 SHUT-DOWN UNIT  
 ARRÊT UNITE  
 GERÄT ABSCHALTEN

SEÑAL DE ALARMA  
 ALARM SIGNAL  
 SIGNALISATION D'ALARME  
 ALARMELDUNG



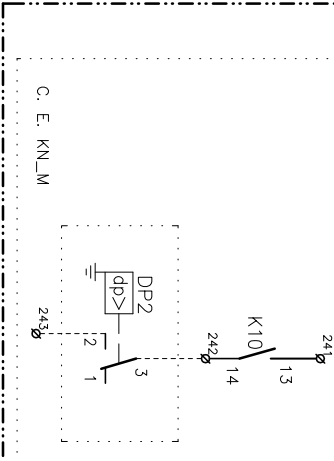
**(FR) FREECOOLING**

C. E. KN\_M



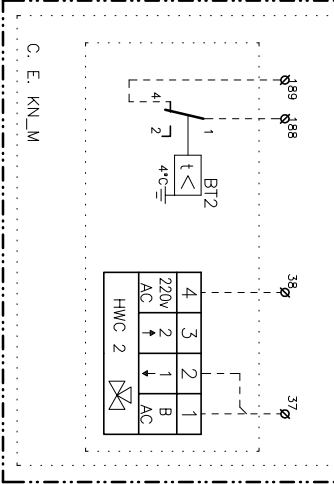
**(DFD) DETECTOR FILTRO SUCIO**  
**(DFD) DIRTY FILTER DETECTOR**

C. E. KN\_M



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

C. E. KN\_M



Elemento Opcional  
 Optional Element  
 Element optionel  
 Elementes bautteil

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

8/9

Lemnox Refrac S.A.

ESQUEMA ELECTRICO  
 ELECTRIC DIAGRAM

ANHMS2D2-64D2-76D2-86D2  
 (LEHM+KNHM)

4Z-33-415-817 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 Cd CH CFM CM DAD DM DPT DT40 EH EF F1-7 F20 F21-22-23 F31-34 F35-36-38-39 FC FM FSC HP1-2 HPR-1-2 HWC IS1-2 Iq(LRA) Im(MCC) K LD LP1-2 MT MTR OS PT1-2 Q Q1 Q2 R1-20 RC RFM RV1-2 SC SD SFS SV TF1-2	LEYENDA	LEGEND	REFERENCE	LEGENDE																
	Sonda temperatura ambiente remoto Modulo logico Condensador Resistencia de carter Motor ventilador exterior Motor compresor Control deteccion de humos Servomotor compuerta Detector filtros sucos Modulo TTL-485 Ventilador de extraccion Bateria electrica Magnetoeléctrico Fusible del TF1-SC Modulo protección compresor Protección térmica Freecooling Motor ventilador interior Control de condensación Presostato de alta Presostato CPC Bateria agua caliente Sonda temperatura bateria interior 1 Intensidad de arranque Intensidad máxima Contactor Kit larga distancia tuberia Presostato baja Termostato seguridad (70°C automático) Termostato seguridad (105°C manual) Sonda temperatura exterior Transductor de presión refrigerante Interruptor general Interruptor diferencial Interruptor magnetoeléctrico Relé auxiliar Control Remoto Ventilador de retorno Válvula inversora (frío ON) Relé control de secuencia-fallo de fases Sensor detector de humos Arrancador suave Válvula solenoide Transformador	Ambient remote sensor Logic Module Capacitor Crankcase heater Compressor fan motor Compressor motor Smoke detection control Damper actuator <del>DIY-485</del> Module detector Exhaust fan Electrical heater Circuitbreaker Circuitbreaker F1-SC fuse Compressor protector module Thermal protection Freecooling Indoor fan motor Fan speed control High pressure pressostat CPC pressure switch Hot Water Coil Indoor coil temperature sensor 1 Starting current Maximum current Contactor Kit piping long distance Low pressure pressostat Safety thermostat (open 70° autom. reset) Safety thermostat (open 105° manu. reset) Outdoor temperature sensor Refrigerant pressure transducer Main switch Ground safety switch Circuit breaker Auxiliary relay Remote Control Return Fan Motor Reversing valve (cooling ON) Phase sequence and failure control relay Smoke detection sensor Soft starter Solenoid valve Transformer	Sonde temp. à distance Module de Control Condensateur Résistance de carter Moteur ventilateur extérieur Compresseur Détecteur fumées Servomoteur registre Décteuru filtres encrassés Module de TTL-485 Ventilateur d'extraction Résistance électrique Disjoncteur Disjoncteur Fusible TF1-SC Module protection du compresseur Protection thermique Freecooling Moteur ventilateur inférieur Ventilateur de vitesse du ventilateur Pressostat HP Pressostat du control de pression condensation la bobine de l'eau chaude Sonde temp. batterie interieures 1 Intensité de démarrage Intensité maximal Contacteur Kit longues distances tuyauterie Pressostat BP T. sécurité (70°C automatique) T. sécurité (105°C manuel) Sensur extérieure du température Transducteur de pression Interrupteur général Interrupteur différentiel Interrupteur magneto thermique Relais auxiliaire Ventilateur de reprise Contiñeur de Débit Vanne 4 voirs (active en mode froid) Décteuru de phases Tête de détection de fumées Démouneur progressif Vanne solénoide Transformateur	Umgebungstemperaturfühler Logik Modul Kondensator Kurbelgehäuseheizung Kondensatorlüftermotor Kompressor Auslasseneinleitrauchmelder Klappenantrieb Differenzdruckwächter TTL-485 Modul Abtütlüfter Heizstufe Motor/Schutzschalter Motor/Schutzschalter TF1-SC Schutz Therm. Kompressorrelais Therm. Relais Freie-Kühlung Innenventilatormotor Kondensationsdruckregelung Hochdruckpressostat Kondensationsdruckregelungpressostat --- Temperaturfühler Verdampfer 1 Anlaufstrom Maximale Stromstärke Schütz Kit für lange Leitung Niederdruckpressostat Sicherheitsther. (70° automatisch) Sicherheitsther. (105° manuell) Außertemperaturfühler Drucktransmitter Haupt-Schalter Schalter Motor/Schutzschalter Hilfsrelais Stromungswächter/Schwimm-Schalter Rückklüfflüftermotor Urn-Schaltrelais (kühlen ON) Phasenfolgeüberwachung+Störmel Rauchmelder Softstarter/Sanftanlauf Magnetventil Transformator																
	CODIGO DE COLORES	COLOUR CODE	CODE COULEUR	FARBKENNUNG																
	negro brown rojo naranja amarillo verde azul violeta gris blanco	black brown red orange yellow green blue violet gray white	noir brun rouge orange jaune vert bleu violet gris blanc	schwarz braun rot orange gelb grün blau violett grau weiss																

9/9

Lennox Refrac S.A.

ESQUEMA ELECTRICO  
ELECTRIC DIAGRAM

ANHMS2D2-64D2-76D2-86D2  
(LEHM+KNHM)

4Z-33-415-817 10J  
3N ~ 400V 50Hz + PE