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ESQUEMA ELECTRICO
WIRING DIAGRAM
SCHEMA ELECTRIQUE
SCHALTPLAN
ELECTRISCH SCHEMA

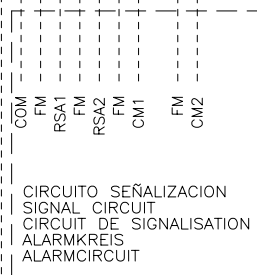
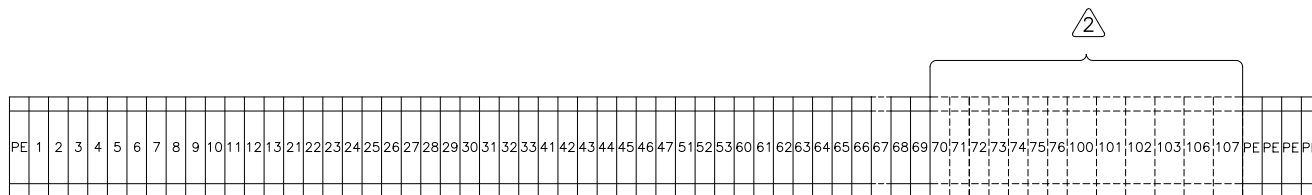
Elemento Opcional
Optional Element
Elément optionnel
Optionales bauteil
Optioneel element

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

1 RETIRAR PUENTE SI SE MONTA ON/OFF REMOTO
 REMOVE LINK FOR REMOTE ON/OFF OPERATION
 RETIRER LE POND S'IL Y A MARCHE/ARRET A DISTANCE
 ENTFERNE DIE VERBINDUNG ZUM EIN/AUS FERNSCHALTER
 VERWIJDER LIK BIJ REMOTE ON/OFF

2 ESTAS BORNAS SOLAMENTE SE INCLUYEN CON SU OPCIONAL
 THESE TERMINALS ARE ONLY INCLUDED WITH ITS OPTIONAL
 CES CONTACTS SONT INSTALLES SEULEMENT SI ON DEMANDE LEUR OPTIONEL
 DIESE ANSCHLUSSKLEMMEN SIND NUR MIT ZUBEHÖR VERFÜGBAR IHREM
 DEZE AANSLUITKLEMMEN ZIJN ALLEEN VOORZIEN BIJ TOEPASSING VAN HUN OPTIONELE

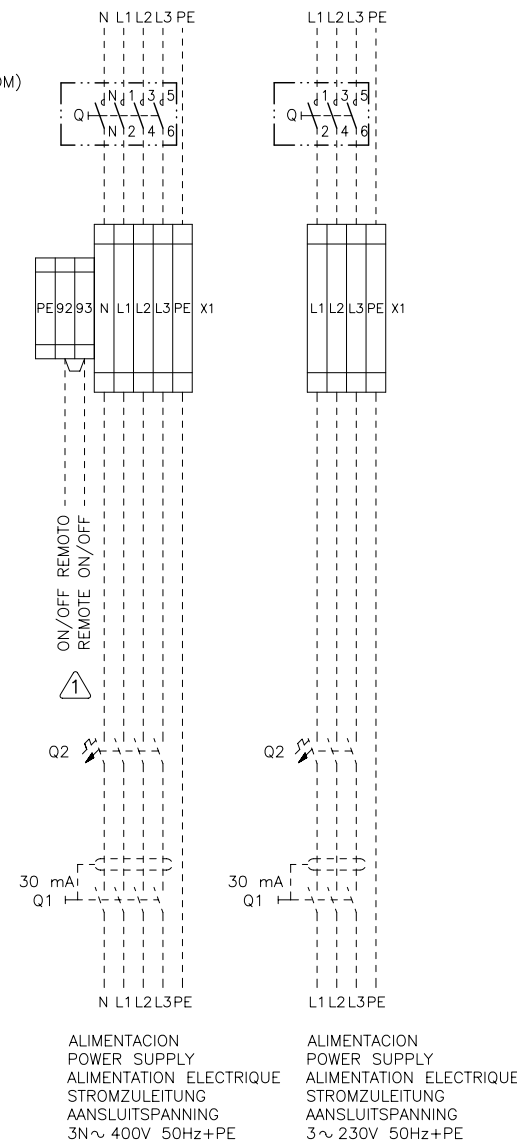
VER MANUAL INSTALACION
 SEE INSTALLATION MANUAL (IOM)
 VOIR LE MANUEL D'INSTALLATION
 SIEHE INSTALLATIONSHANDBUCH (IOM)
 ZIE INSTALLATION MANUAL (IOM)



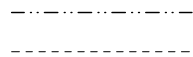
VENTILADOR U. INTERIOR 1
 INDOOR UNIT FAN 1
 VENTILATEUR D'UNITE INTERIEUR 1
 LÜFTER INNENGÉRAT 1
 BINNENUNIT VENTILATOR 1



VENTILADOR U. INTERIOR 2
 INDOOR UNIT FAN 2
 VENTILATEUR D'UNITE INTERIEUR 2
 LÜFTER INNENGÉRAT 2
 BINNENUNIT VENTILATOR 2



Elemento Opcional
 Optional Element
 A Realizar por el Instalador
 To Wire by the Installer



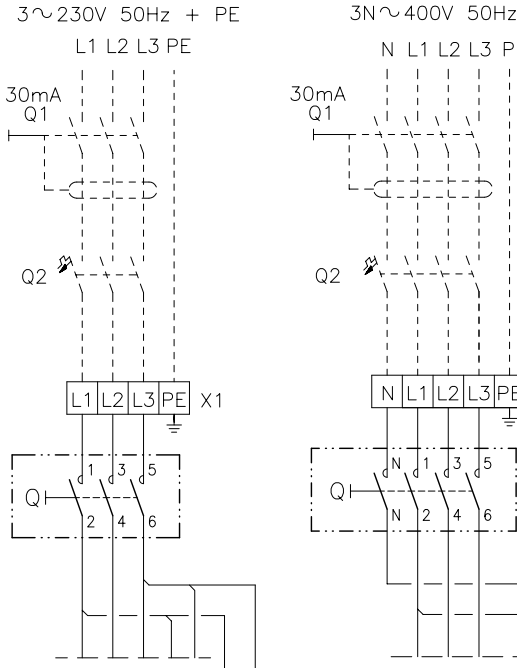
1/9

Lennox Refac S.A.

ESQUEMA ELECTRICO
 ELECTRIC DIAGRAM

ANHK VFC
 48D2-64D2-76D2-86D2

4Z-33-439-909 17C
 3N 400V 50HZ + PE
 3 ~ 230V 50HZ + PE

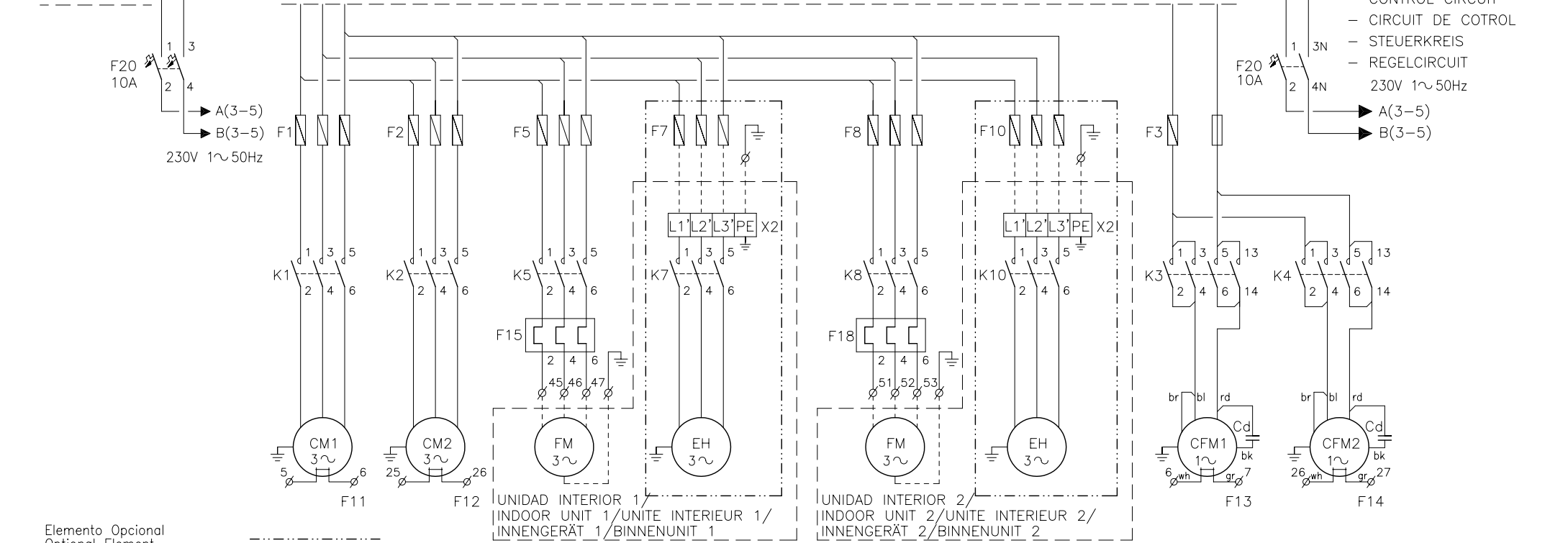


VER MANUAL INSTALACION
SEE INSTALLATION MANUAL (IOM)
VOIR LE MANUEL D'INSTALLATION
SIEHE INSTALLATIONSHANDBUCH (IOM)
ZIE INSTALLATION MANUAL (IOM)

INTENSIDAD CURRENT INTESITÉ STROM STROOM		ANHK 48D2		ANHK 64D2		ANHK 76D2		ANHK 86D2	
		Im(MCC)	Ia(LRA)	Im(MCC)	Ia(LRA)	Im(MCC)	Ia(LRA)	Im(MCC)	Ia(LRA)
400V 3~50Hz	CM1-2	15,1A	94,0A	20,7A	127A	25,6A	158A	29,8A	189A
	FM	2,5A	—	3,6A	—	3,6A	—	7,2A	—
230V 3~50Hz	CM1-2	27,2A	166A	37,2A	224A	46,1A	279A	53,6A	330A
	FM	4,3A	—	6,2A	—	6,2A	—	12,5A	—
230V 1~50Hz	CFM1-2	3,5A	—	4,5A	—	4,5A	—	4,5A	—

FUSIBLES FUSES FUSIBLES SICHERUNGEN ZEKERINGEN	ANHK 48D2-64D2-76D2-86D2				
	48D2	64D2	76D2	86D2	
400V 3~50Hz	F1-2(CM1-2)	6x20A	6x25A	6x32A	6x40A
	F5-8(FM)	3x10A	3x10A	3x10A	3x10A
230V 3~50Hz	F1-2(CM1-2)	6x40A	6x50A	6x63A	6x80A
	F5-8(FM)	6x16A	6x16A	6x16A	6x16A
230V 1~50Hz	F3(CFM1-2)	1x10A	1x10A	1x10A	1x10A

FUSIBLES BATERIA ELEC. FUSES ELEC. HEATER FUSIBLES RESISTENCE ÉLEC. SICHERUNGEN E.-HEIZUNG ZEKRING ELECTRICISCHE VERHITTER	ANHK 48D2-64D2-76D2-86D2			
	7,5kW 1ST	11kW 1ST	15kW 1ST	
400V 3~50Hz	F7-10(EH)	3x16A	3x20A	3x32A
230V 3~50Hz	F7-10(EH)	3x25A	3x40A	3x50A

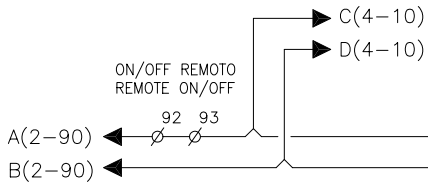
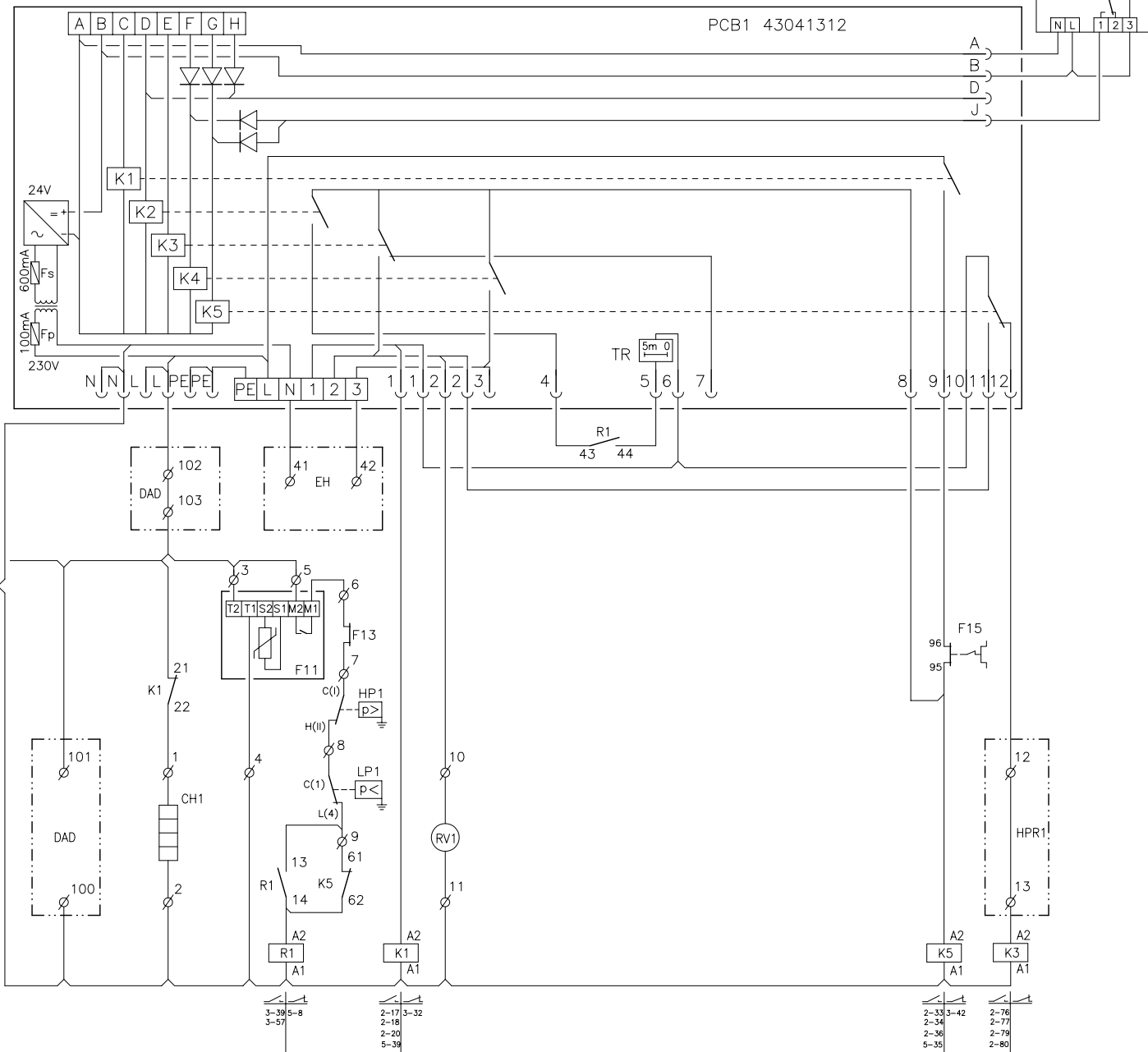


- CIRCUITO DE MANIOBRA
 - CONTROL CIRCUIT
 - CIRCUIT DE COTROL
 - STEUERKREIS
 - REGELCIRCUIT
- 230V 1~50Hz
- A(3-5)
B(3-5)

Elemento Opcional
Optional Element
A Realizar por el Instalador
To Wire by the Installer

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

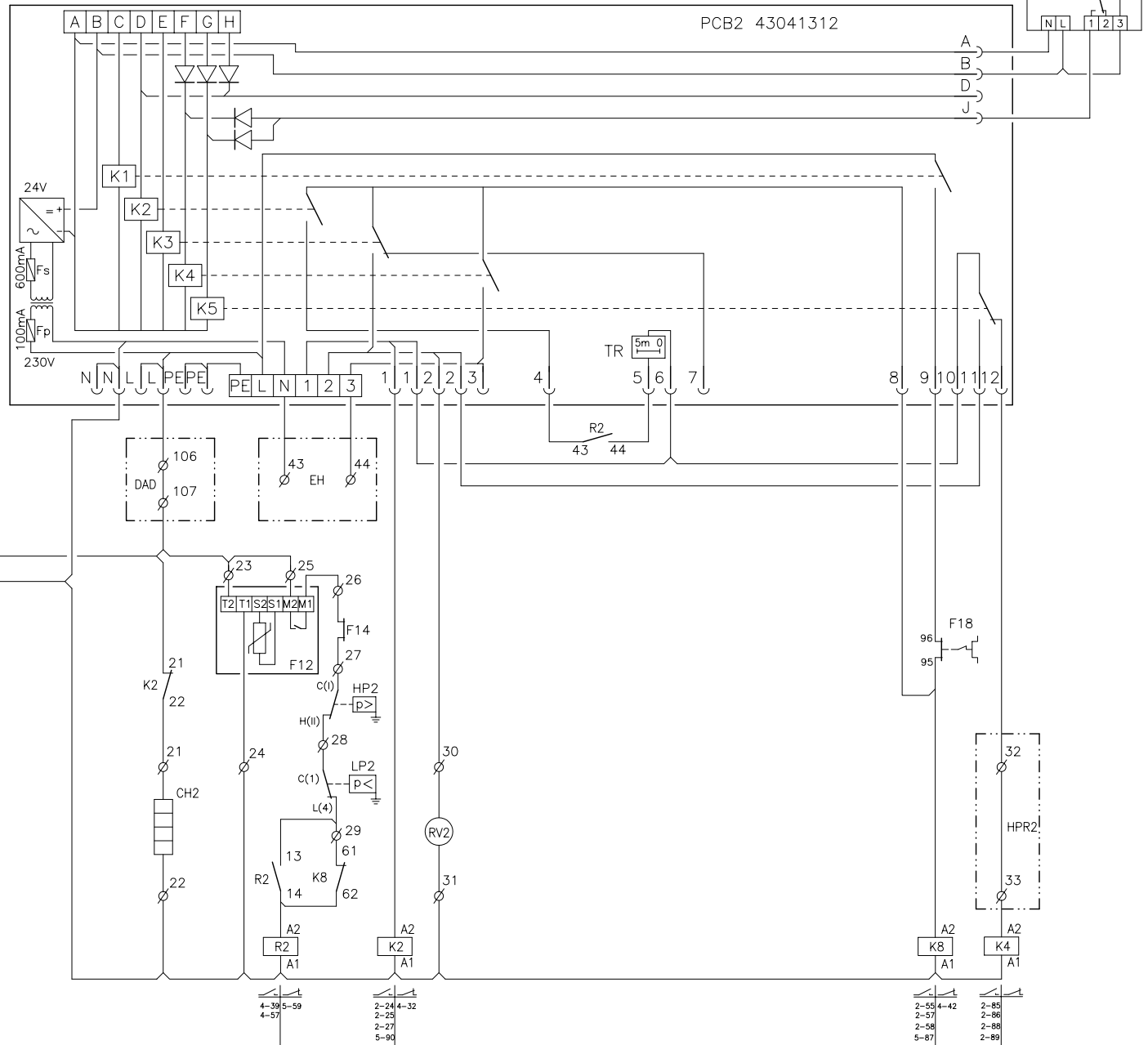
A	--- 24V(c)
B	--- 24V
C	--- FM
D	--- CM
E	--- RV
F	--- EH
G	--- N/A
H	--- N/A



Elemento Opcional
 Optional Element
 A Realizar por el Instalador
 To Wire by the Installer

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

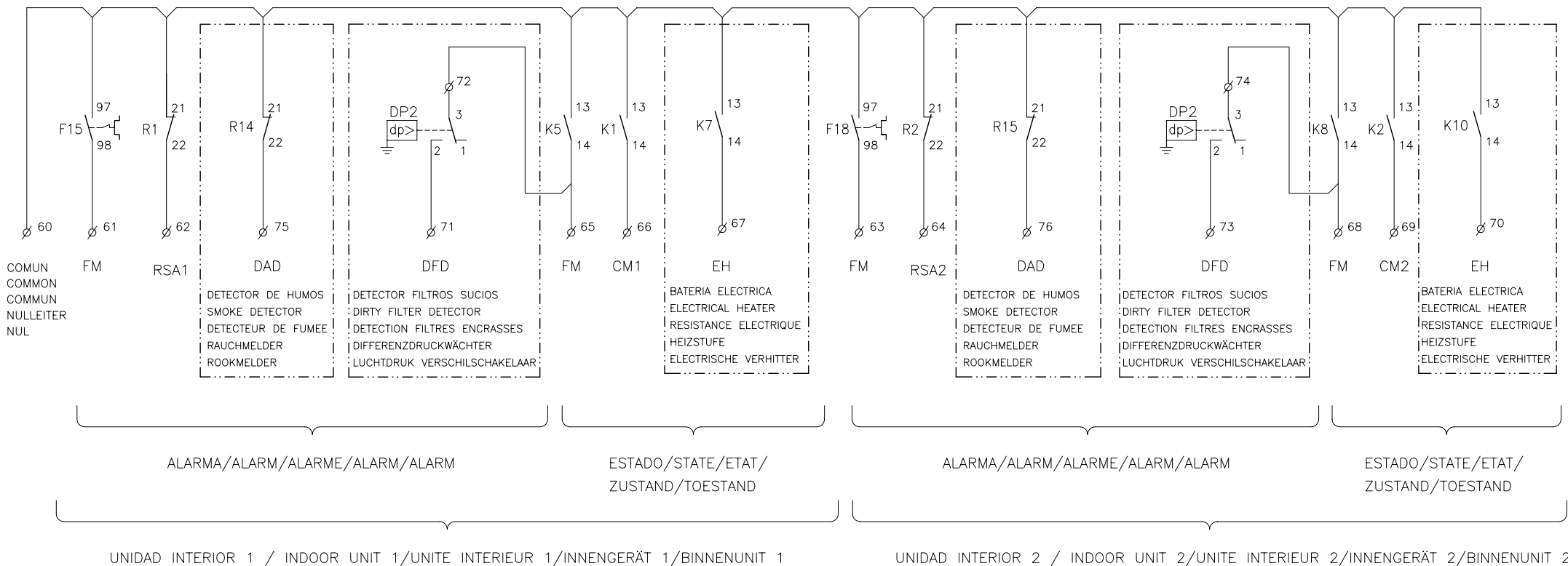
A	--- 24V(c)
B	--- 24V
C	--- FM
D	--- CM
E	--- RV
F	--- EH
G	--- N/A
H	--- N/A



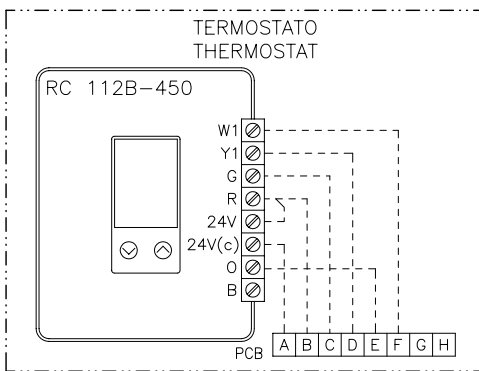
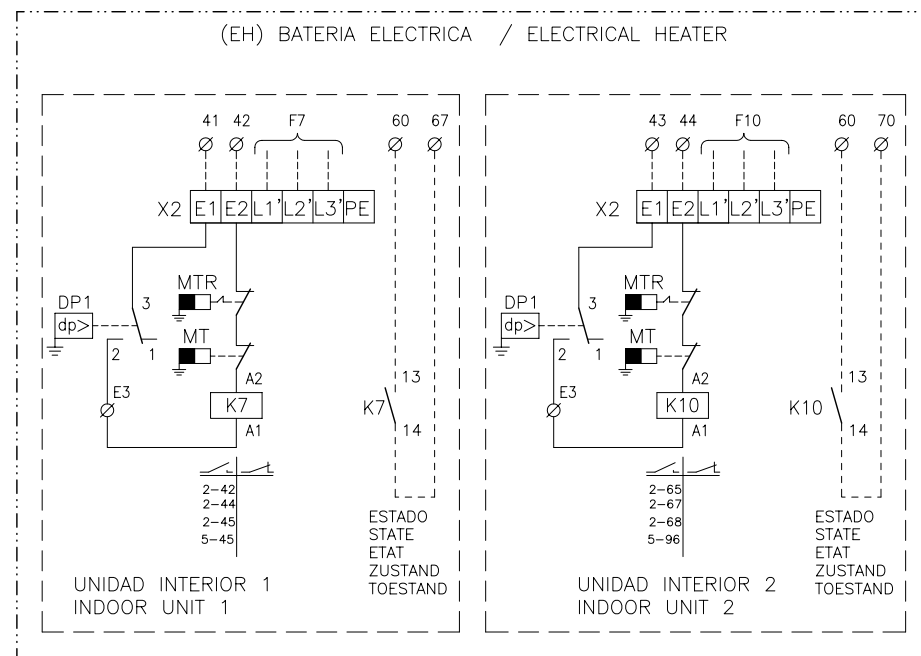
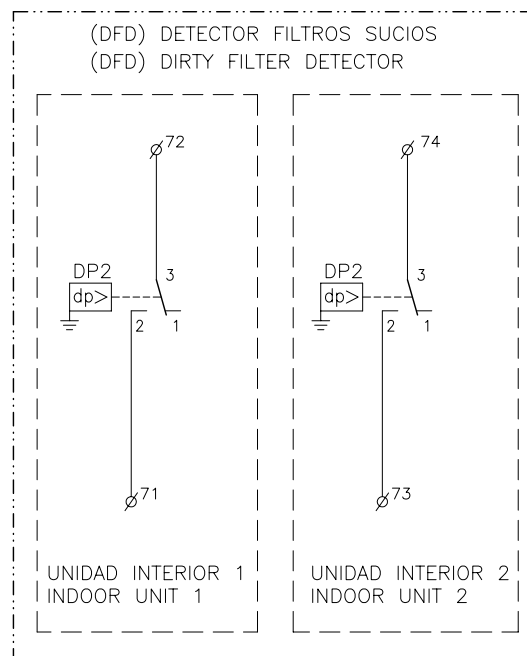
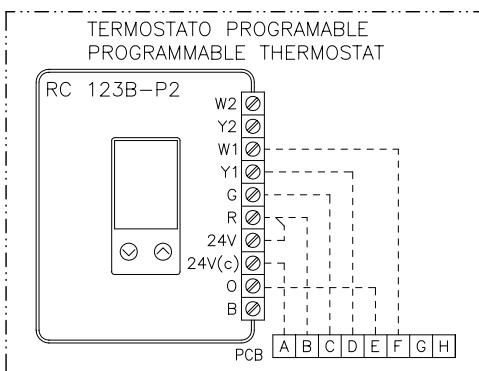
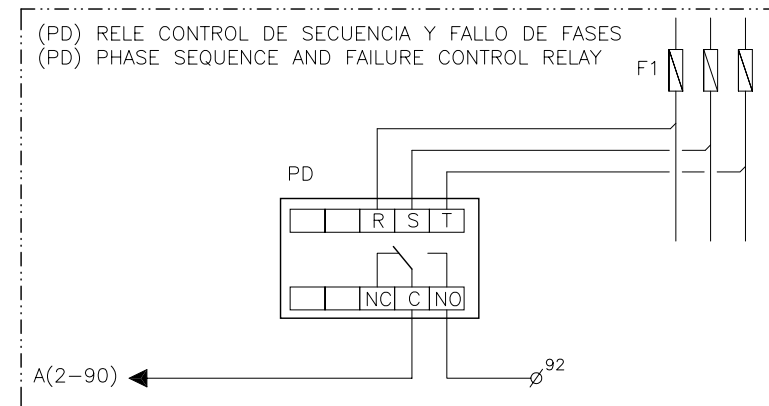
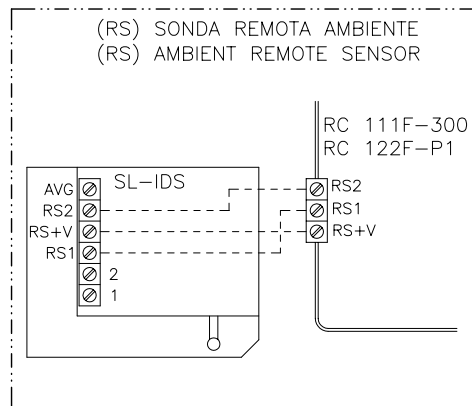
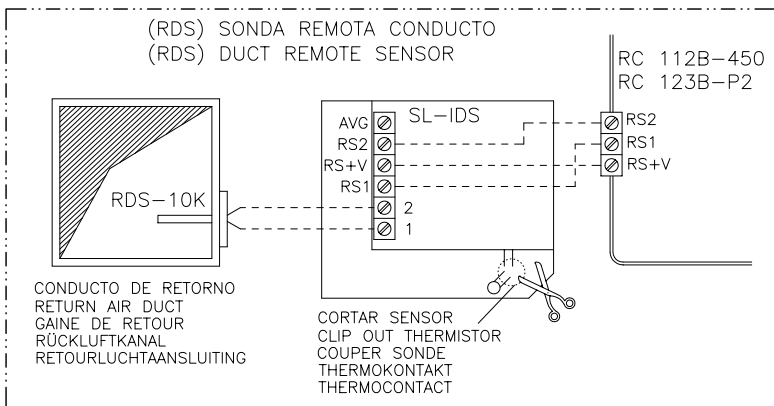
C(3-16) ←
 D(3-16) ←

Elemento Opcional
 Optional Element
 A Realizar por el Instalador
 To Wire by the Installer

CIRCUITO SEÑALIZACION
 SIGNAL CIRCUIT
 CIRCUIT DE SIGNALISATION
 ALAMKREIS
 ALARMCIRCUIT

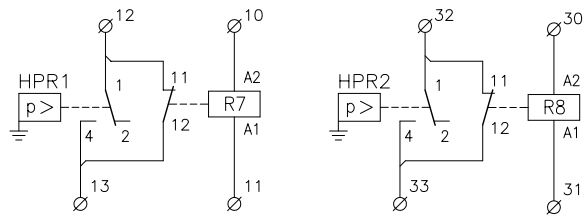


Elemento Opcional
 Optional Element
 A Realizar por el Instalador
 To Wire by the Installer



Elemento Opcional
Optional Element
A Realizar por el Instalador
To Wire by the Installer

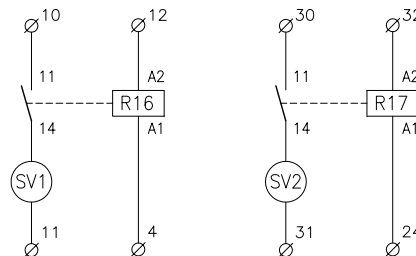
(HPR) CONTROL CONDENSACION TODO/NADA
(HPR) WINTER CONTROL ON/OFF



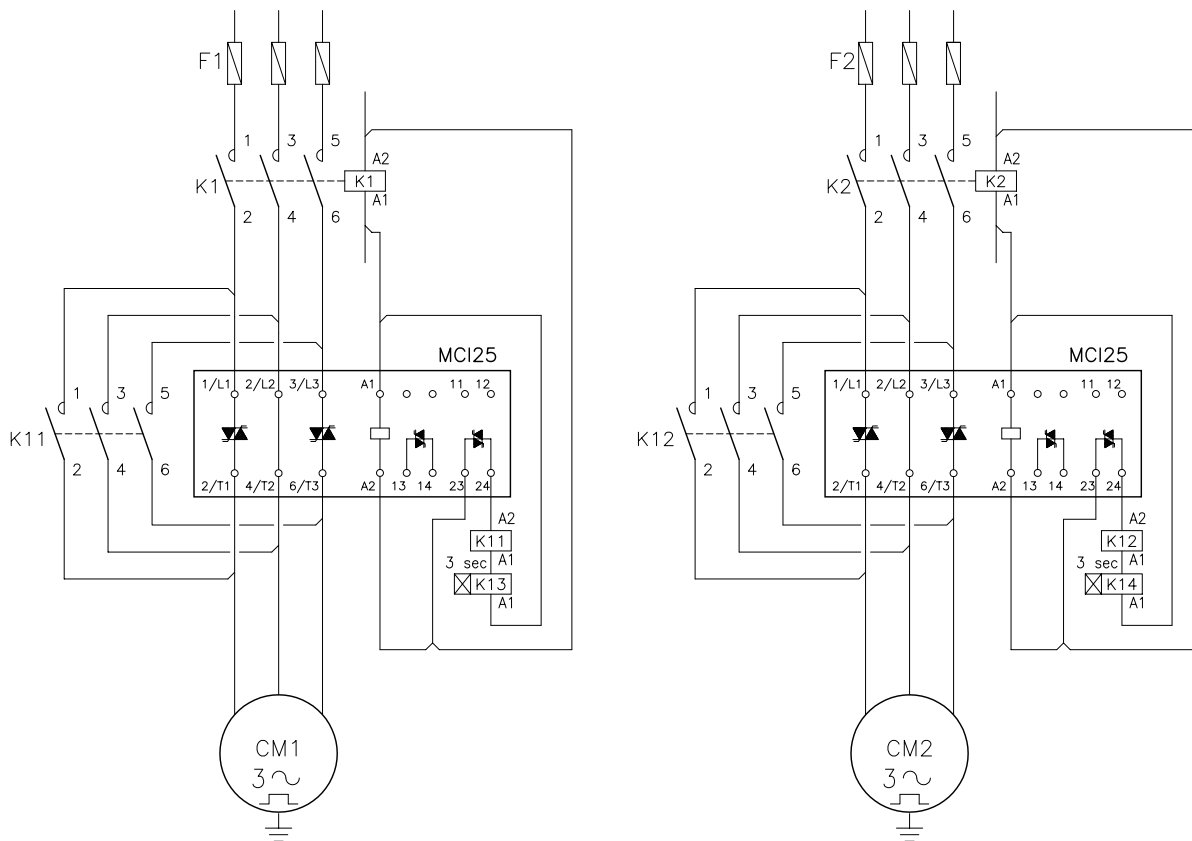
TARADO DE HPR: CORTE 14 BAR REARME 17 BAR
HPR SETPOINT: OFF 14 BAR RESET 17 BAR
REGLAGE HPR: COUPURE 14BAR REARMEMENT 17BAR
HD-PRESSOSTAT: AUS BEI 14BAR RESET BEI 17BAR
HD SETPOINT: OFF 14BAR RESET 17BAR

RETIRAR PUENTE SI SE MONTA HPR / REMOVE LINK FOR HPR OPERATION /
RETIRER LE POND S'IL Y A HPR / ENTFERNE DIE VERBINDUNG ZUM HD-PRESSOSTAT /
VERWIJDER LINK BIJ HD BEDRIJF

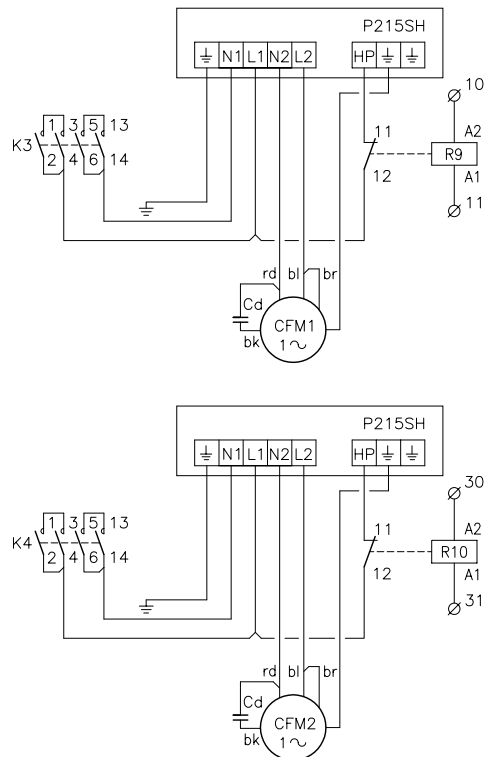
(BY) KIT BY PASS DE GAS CALIENTE
(BY) KIT HOT GAS BY PASS



(SFS) ARRANCADOR SUAVE/SOFT STARTER



(FSC) CONTROL DE CONDENSACION/FAN SPEED CONTROL



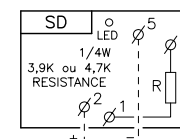
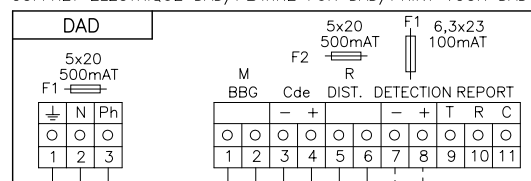
Elemento Opcional
Optional Element
A Realizar por el Instalador
To Wire by the Installer

(DAD) CONTROL DETECCION DE HUMOS/SMOKE DETECTION CONTROL

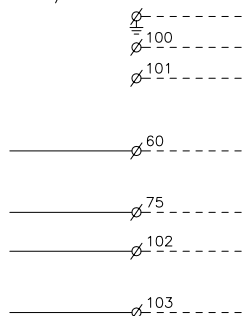
UNIDAD INTERIOR 1 / INDOOR UNIT 1/UNITE INTERIEUR 1/INNENGERÄT 1/BINNENUNIT 1

CUADRO PRINCIPAL/MAIN ELECTRICAL BOARD/COFFRET ELECTRIQUE/HAUPTPLATINE/HOOFDSTROOMPANEEL

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



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



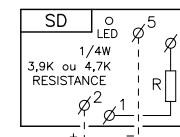
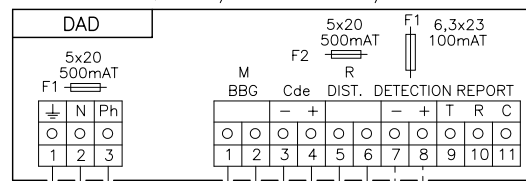
SEÑAL DE ALARMA
ALARM SIGNAL
SIGNALISATION D'ALARME
ALARMMELDUNG
ALARM SIGNAL

PARO UNIDAD
SHUT-DOWN UNIT
ARRÊT UNITE
GERÄT ABSCHALTEN
UNIT AFSCHAKELEN

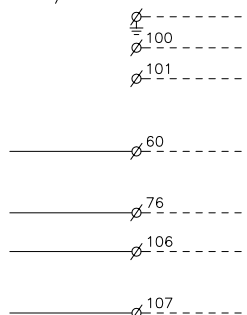
UNIDAD INTERIOR 2 / INDOOR UNIT 2/UNITE INTERIEUR 2/INNENGERÄT 2/BINNENUNIT 2

CUADRO PRINCIPAL/MAIN ELECTRICAL BOARD/COFFRET ELECTRIQUE/HAUPTPLATINE/HOOFDSTROOMPANEEL

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



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



SEÑAL DE ALARMA
ALARM SIGNAL
SIGNALISATION D'ALARME
ALARMMELDUNG
ALARM SIGNAL

PARO UNIDAD
SHUT-DOWN UNIT
ARRÊT UNITE
GERÄT ABSCHALTEN
UNIT AFSCHAKELEN

Elemento Opcional
Optional Element
A Realizar por el Instalador
To Wire by the Installer

	LEYENDA	LEGEND	REFERENCE	LEGENDE	LEGENDA
BY	Kit by pass de gas caliente	Kit hot gas by pass	By-pass de gaz chaud	Heissgasbypass	Hot gas by-pass
Cd	Condensador	Condenser	Condenseur	Kondensator	Condensor
CH	Resistencia de carter	Crankcase heater	Résistance de carter	Kurbelwannenheizung	Carterverwarming
CFM	Motor ventilador exterior	Compressor fan motor	Moteur ventilateur extérieur	Kondensatorlüftermotor	Condensor ventilador motor
CM	Motor compresor	Compressor motor	Compresseur	Kompressor	Compressor motor
D1-2	Control desescarche	Defrost control	Contrôleur de dégiurage	Abtauregler	Ontdooi regeling
DAD	Control detección de humos	Smoke detection control	Détecteur fumée	Rauchmelder	Rookdetector
DFD	Detector filtros sucios	Dirty filter detector	Détection filtres encrassés	Differenzdruckwächter	Luchtdruk verschilschakelaar
DP	Presostato diferencial aire	Air pressure differential switch	Pressostat diferencial d'air	differentialluftdruckschalter	Luft druk difereciaal schalter
EH	Batería eléctrica	Electrical heater	Résistance électrique	Heizstufe	Electrische verhitte
FM	Motor ventilador interior	Indoor fan motor	Moteur du ventilateur intérieur	Innenventilatormotor	Verdamper ventilatormotor
Fp/Fs	Fusibles PCB	PCB fuses	Fusibles de la plaque électronique	Steuerplatinensicherung	PCB zekeringen
FSC	Control de condensación	Fan speed control	Variateur de vitesse du ventilateur	Kondensationsdruckregelung	Ventilator snelheidsregelaar
F1-10	Fusibles	Fuses	Fusibles	Sicherungen	Zekeringen
F11-12	Módulo protección compresor	Compressor protector module	Module protection du compresseur	Therm. kompressorrelais	Compressor beveiligings module
F13-18	Protección térmica	Thermal protection	Protection thermique	Therm. kompressorrelais	Compressor thermische beveiliging
F20	Magnetotérmico	Circuitbraker	Magneto thermique	Motorschutzschalter	Thermisch relais
HP1-2	Presostato de alta	High pressure pressostat	Pressostat HP	Hochdruckpressostat	Hoge druk pressostaat
HPR1-2	Control condensación TODO/NADA	Winter control ON/OFF	C. pression condensation ON/OFF	K. druckregelung ON/OFF	Winter regeling AAN/UIT
la(LRA)	Intensidad de arranque	Starting current	Intensité de démarrage	Anlaufstrom	Opstart stroom
Im(MCC)	Intensidad máxima	Maximum current	Intensité maximum	Maximale stromstärke	Maximaal stroom
K	Contactador	Contacteur	Contacteur	schütz	Relais
LP1-2	Presostato baja	Low pressure pressostat	Pressostat BP	Niederdruckpressostat	Lagedruk beveiling
MT	Termostato seguridad (70°C automático)	Safety thermostat (open 70°C autom. reset)	T. securité (70°C automatique)	Sicherheitsther. (70°C automatisch)	T. beveiliging (70°C autoreset)
MTR	Termostato seguridad (105°C manual)	Safety thermostat (open 105°C manu. reset)	T. securité (105°C manuel)	Sicherheitsther. (150°C manuell)	T. beveiliging (105°C handreset)
PCB1-2	Placa control	Printed circuit board	Carte électronique	Steuerplatine	Printboard
PD	Relé control de secuencia-fallo de fases	Phase sequence and failure control relay	Détecteur de phase	Phasenfolgenüberwachung+Störemel	Fasevolgorde-foutcontrole relais
Q	Interruptor general	Main switch	Interrupteur général	Hauptschalter	Hoofdschakelaar
Q1	Interruptor diferencial	Ground safety switch	Interrupteur différentiel	Schalter	Aardlekschakelaar
Q2	Interruptor magnetotérmico	Circuit breaker	Interrupteur magneto thermique	Motorschutzschalter	Magneetschakelaar
R7-17	Relé auxiliar	Auxiliary relay	Relais auxiliaire	Hilfsrelais	Aux. relais
RC	Control remoto	Remote control	Contrôle à distance	Fernbedienung	Afstandsbediening
RDS	Sonda remota conducto	Duct remote sensor	Sonde de temp. gaine a distance	Kanalfernfühler	Kanaaltemperatuuropnehmer
RS	Sonda remota ambiente	Ambient remote sensor	Sonde temp. ambiente a distance	Umgebungsfernfühler	Ruimtevoeler
RSA1-2	Relé señal alarma	Alarm signal relay	Relais défaut à distance	Störmelderelais	Storingrelais
RV1-2	Válvula inversora (frío ON)	Reverse valve (cooling ON)	Vanne renversée (refroidissement)	Umschaltrelais (kühlen ON)	Omkeerklep (koel=bekrachtigd)
SD	Sensor detector de humos	Smoke detection sensor	Sonde de détection de fumée	Rauchmelder	Rookmelder
SFS	Arrancador suave	Soft starter	Démarrateur progressif	Softstarter/Sanftanlauf	Soft starter
SV1-2	Válvula solenoide	Solenoid valve	Vanne solénoïde	Magnetventil	Magneet ventiel
TR	Retardo compresor OFF-ON	Delay compressor OFF-ON	Retard du compresseur OFF-ON	Wiederanlaufverzögerung K. OFF-ON	Compressorvertraging UIT-AAN
TS1-2	Sonda temp. batería unidad exterior	Outdoor unit coil temperature sensor	Sonde temp. de batterie extérieur	Temperaturfühler condensator	Buitenunit bloktemp. opnehmer
	CODIGO DE COLORES	COLOUR CODE	CODE COULEUR	FARBKENNUNG	KLEURCODE
bk	negro	black	noir	schwarz	zwart
br	marrón	brown	brun	braun	bruin
rd	rojo	red	rouge	rot	rood
or	naranja	orange	orange	orange	oranje
yl	amarillo	yellow	jaune	gelb	geel
gn	verde	green	vert	grün	groen
bl	azul	blue	bleu	blau	blauw
vi	violeta	violet	violet	viollet	violet
gr	gris	gray	gris	grau	grijs
wh	blanco	white	blanc	weiss	wit