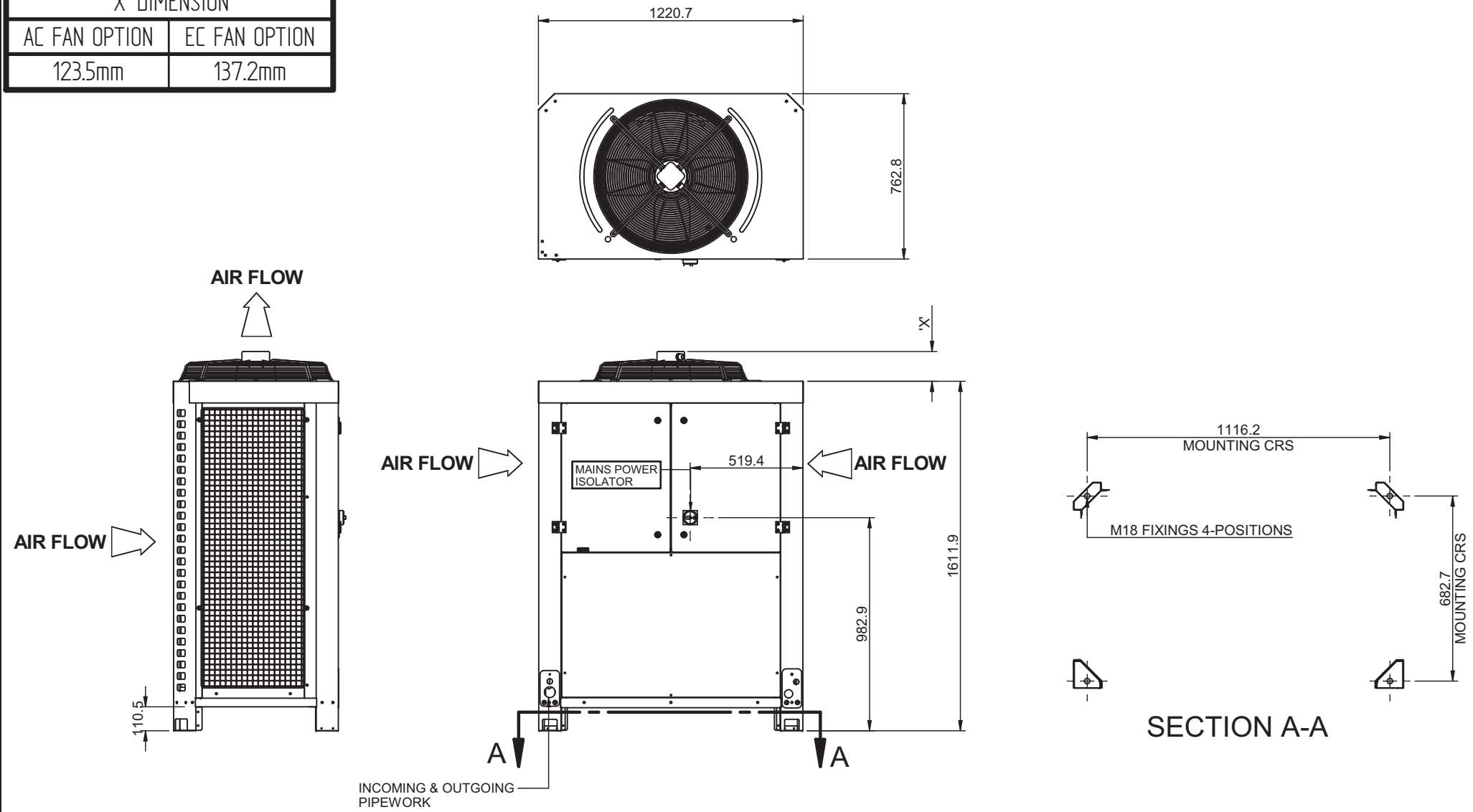
'X' DIMENSION	
AC FAN OPTION	EC FAN OPTION
123.5mm	137.2mm



SECTION A-A

Iss	Mod.No.	DATE	NAME	DETAILS OF MODIFICATION
A		17/02/11	LMS	FIRST ISSUE

ALL DIMENSIONS ARE IN mm U.O.S.

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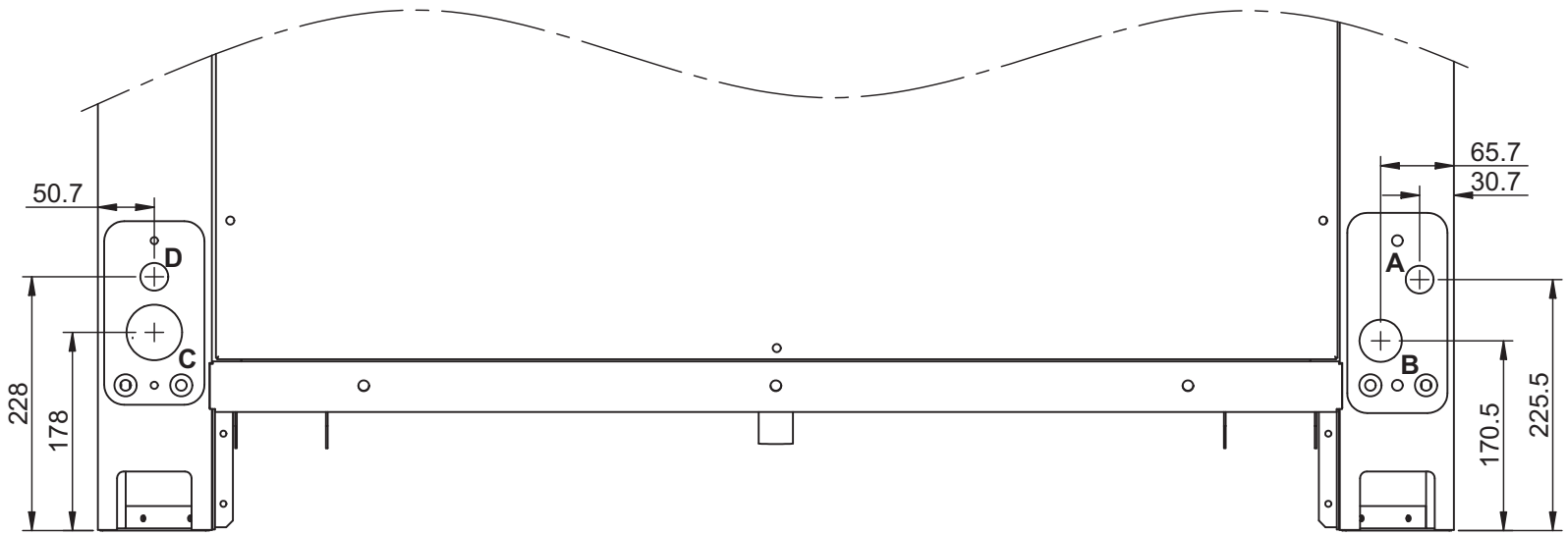
THIRD ANGLE PROJECTION

	NAME	DATE
ORIGINAL SCALE:		
DRAWN	LMS	17/02/11
CHECKED	RS	17/02/11
APPROVED	ADY	17/02/11

TITLE: *CUR122 GENERAL ARRANGEMENT - AC/EC FAN OPTION*

Manuf No: 82103639

ORDER No.	JM54696/14903
CUST/DRG.	Clean Room Construction
Sales Order	63271911
DRWG. No.	6K-04-0154
Issue	A



CUR122V35 HOLE / PIPE SPECIFICATION

HOLE 'A' Ø25MM COMMUNICATIONS
HOLE 'B' Ø38MM MAINS POWER
HOLE 'C' Ø50MM Ø1 ,3/8" - SUCTION LINE
HOLE 'D' Ø25MM Ø5/8" - LIQUID LINE

CUR122V40 HOLE / PIPE SPECIFICATION

HOLE 'A' Ø25MM COMMUNICATIONS
HOLE 'B' Ø38MM MAINS POWER
HOLE 'C' Ø50MM Ø1, 5/8" - SUCTION LINE
HOLE 'D' Ø25MM Ø5/8" LIQUID LINE

Iss	Mod.No.	DATE	NAME	DETAILS OF MODIFICATION
B	11165	12/10/12	LMS	LIFTING CHANNELS ADDED
A		17/02/11	LMS	FIRST ISSUE

ALL DIMENSIONS ARE IN mm U.O.S.

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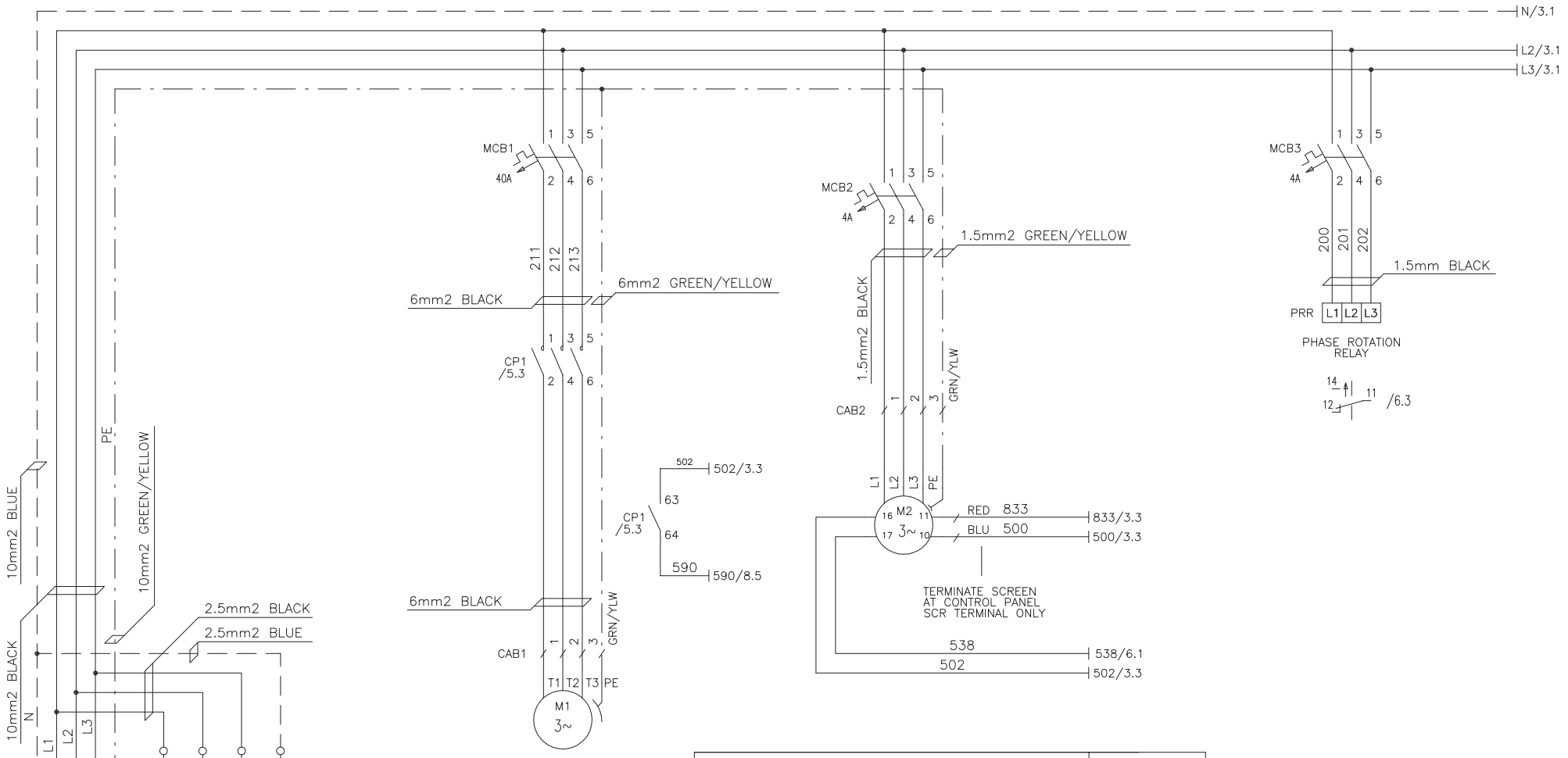
THIRD ANGLE PROJECTION

	NAME	DATE
ORIGINAL SCALE:		
DRAWN	LMS	17/02/11
CHECKED	RS	17/02/11
APPROVED	ADY	17/02/11

TITLE: *CUR122 - COOLING ONLY UNIT SERVICE DETAIL*

Manuf No: 82103639

ORDER No.	JM54696/14903
CUST/DRG.	Clean Room Construction
Sales Order	63271911
DRWG. No.	6P-04-0008
Issue	A / B



EC FAN INTERNAL WIRING CONNECTIONS

KL3: 7 Din2 | 6 Din3 | 5 GND | 4 Ain2 U | 3 +20V | 2 Ain2 I | 1 Aout

KL2: 8 RS A | 9 RS B | 10 GND | 11 Ain1 U | 12 +10V | 13 Ain1 I | 14 Din1 | 15 NO | 16 COM | 17 NC | PE

KL1: L1 | L2 | L3

CONDENSER FAN
S3G630-AS21-01
POWER = 1.85kW
FLA = 2.85A

UNIT	RLA	FUSE
CUR122V40-VCO-0	29.8 A	50 A

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ISSUE	MOD No.	DATE	NAME	DETAILS OF MODIFICATION
P	DC11548	17/05/2013	AT	S3G630 EC FAN WIRING UPDATED
O	DM3046	28/01/2013	AT	EVD ENABLE SIGNAL ADDED
N	DC11202	01/11/2012	AT	MAINS WIRE SIZES UPDATED
M	DM2949	23/05/2012	AT	DRIP TRAY TRACE HEATING PLUG REMOVED

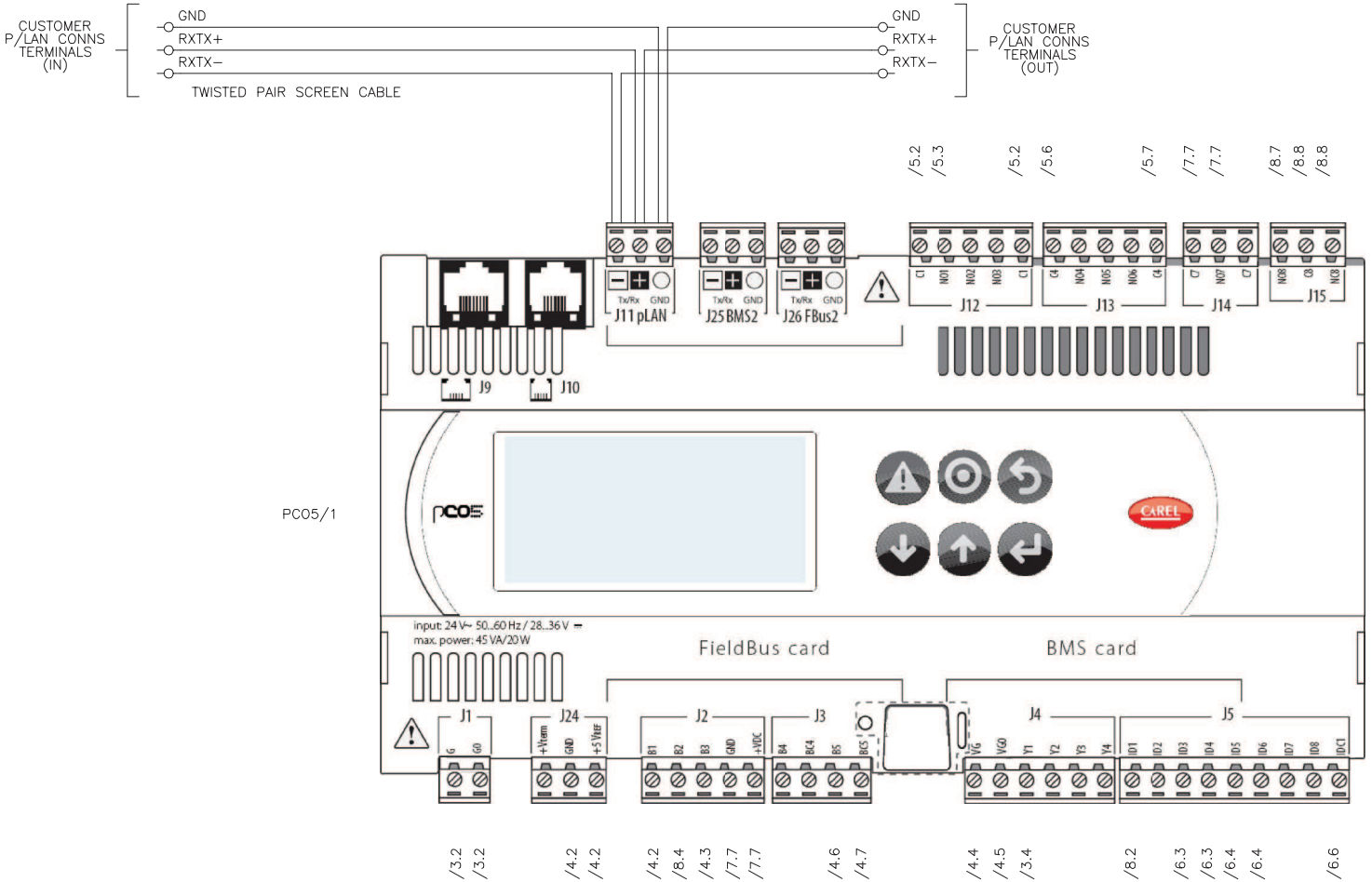
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TITLE : MAINS CUR122V40-VCO-0

	NAME	DATE
DRAWN	AT	20/05/2011
CHECKED	DEH	31/05/2011
APPROVED	MRT	10/06/2011

ORDER No.	JM54696/14903
CUSTOMER	Clean Room Construction Ltd
SALES ORDER No.	**63271911**
MANUFACTURING No.	82103639
DRG No.	0D-04-0094
PAGE	1 OF 8



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ISSUE	MOD No.	DATE	NAME	DETAILS OF MODIFICATION
P	DC11548	17/05/2013	AT	S3G630 EC FAN WIRING UPDATED
O	DM3046	28/01/2013	AT	EVD ENABLE SIGNAL ADDED
N	DC11202	01/11/2012	AT	MAINS WIRE SIZES UPDATED
M	DM2949	23/05/2012	AT	DRIP TRAY TRACE HEATING PLUG REMOVED

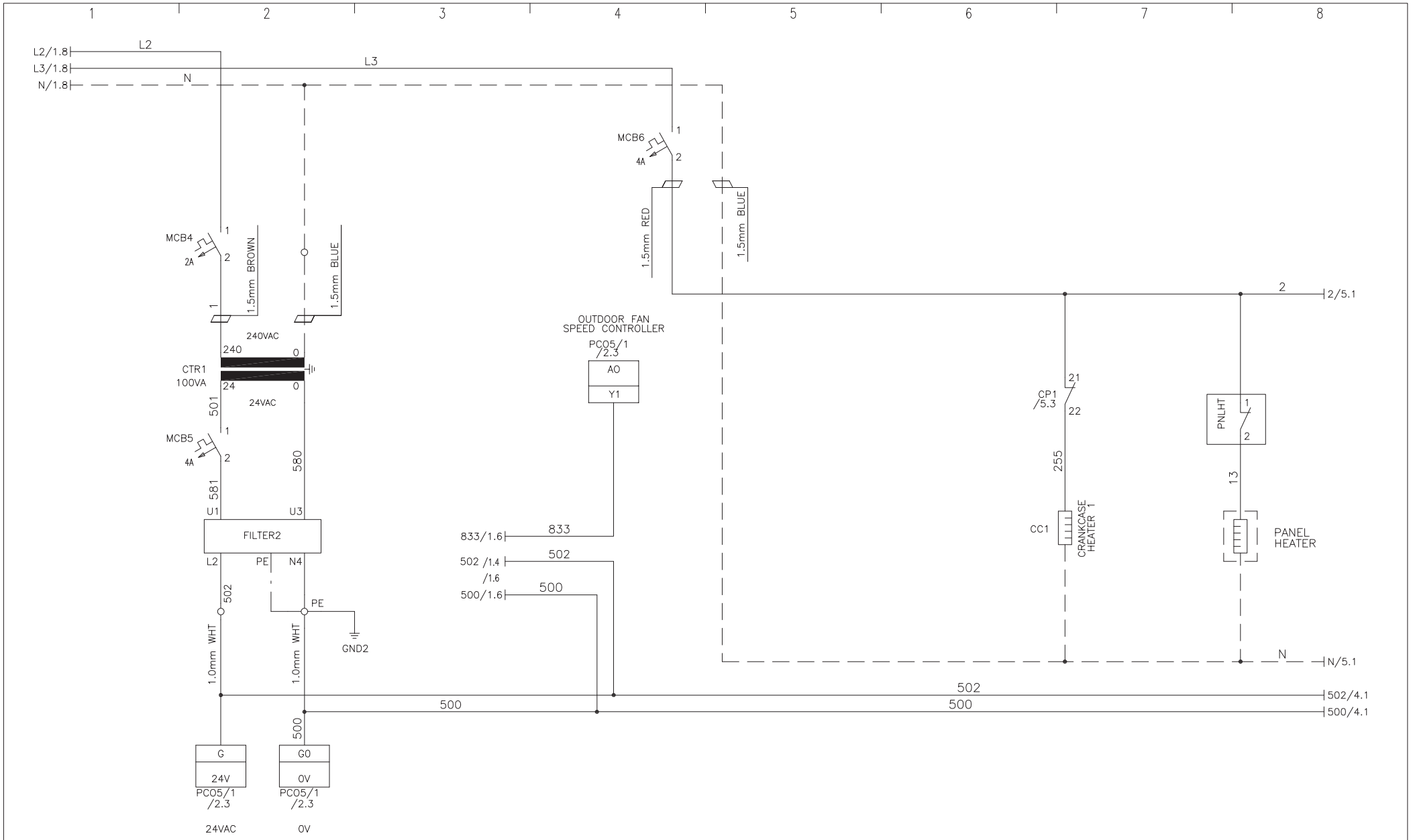
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	NAME	DATE
DRAWN	AT	20/05/2011
CHECKED	DEH	31/05/2011
APPROVED	MRT	10/06/2011

TITLE : MICROPROCESSOR CONTROLS CUR122V40−VCO−0

ORDER No.	JM54696/14903
CUSTOMER	Clean Room Construction Ltd
SALES ORDER No.	**63271911**
MANUFACTURING No.	82103639
DRG No.	0D−04−0094
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ISSUE	MOD No.	DATE	NAME	DETAILS OF MODIFICATION
P	DC11548	17/05/2013	AT	S3G630 EC FAN WIRING UPDATED
O	DM3046	28/01/2013	AT	EVD ENABLE SIGNAL ADDED
N	DC11202	01/11/2012	AT	MAINS WIRE SIZES UPDATED
M	DM2949	23/05/2012	AT	DRIP TRAY TRACE HEATING PLUG REMOVED

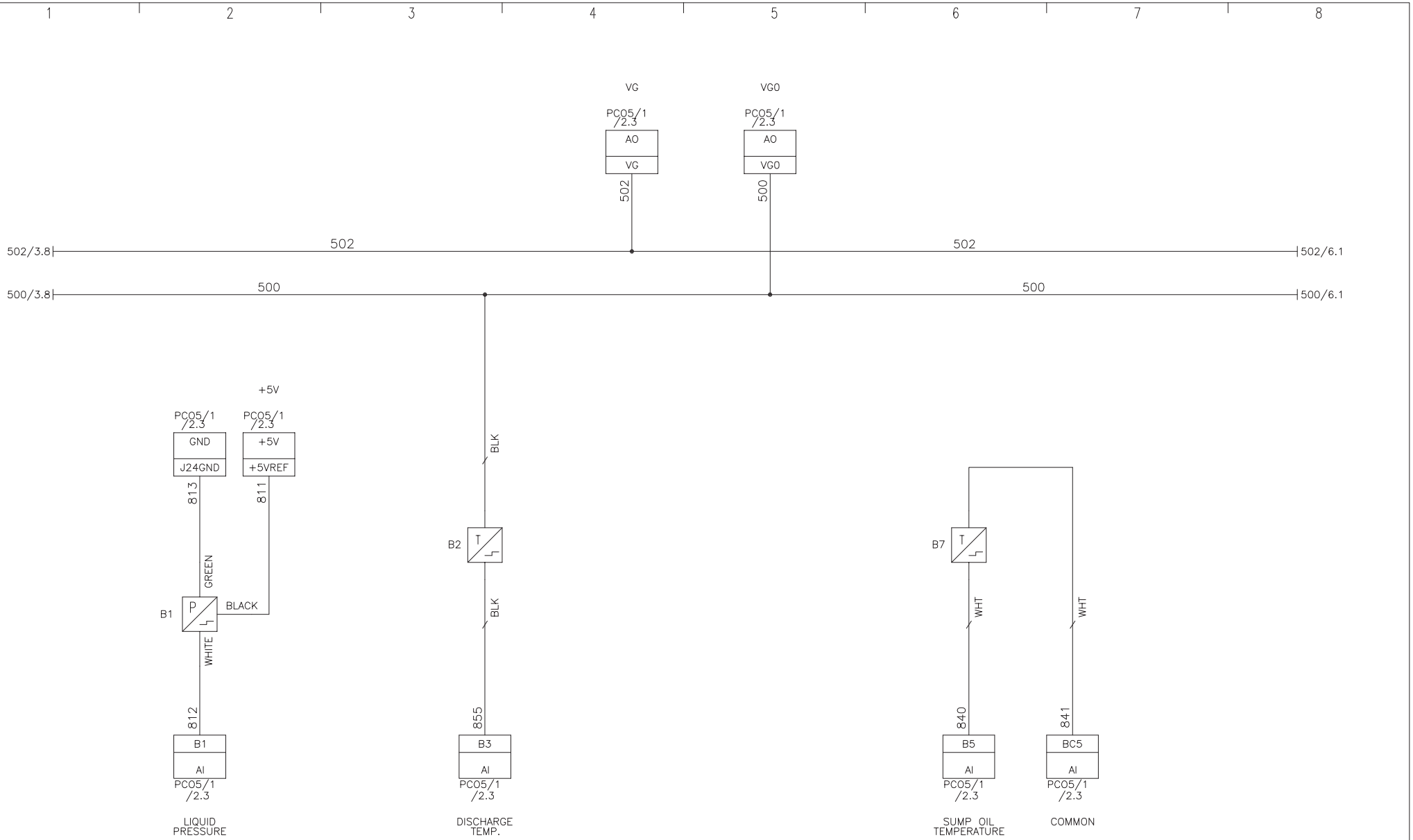
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	NAME	DATE
DRAWN	AT	20/05/2011
CHECKED	DEH	31/05/2011
APPROVED	MRT	10/06/2011

TITLE : FAN SPEED SIGNAL CUR122V40-VCO-0

ORDER No.	JM54696/14903
CUSTOMER	Clean Room Construction Ltd
SALES ORDER No.	**63271911**
MANUFACTURING No.	82103639
DRG No.	0D-04-0094
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ISSUE	MOD No.	DATE	NAME	DETAILS OF MODIFICATION
P	DC11548	17/05/2013	AT	S3G630 EC FAN WIRING UPDATED
O	DM3046	28/01/2013	AT	EVD ENABLE SIGNAL ADDED
N	DC11202	01/11/2012	AT	MAINS WIRE SIZES UPDATED
M	DM2949	23/05/2012	AT	DRIP TRAY TRACE HEATING PLUG REMOVED

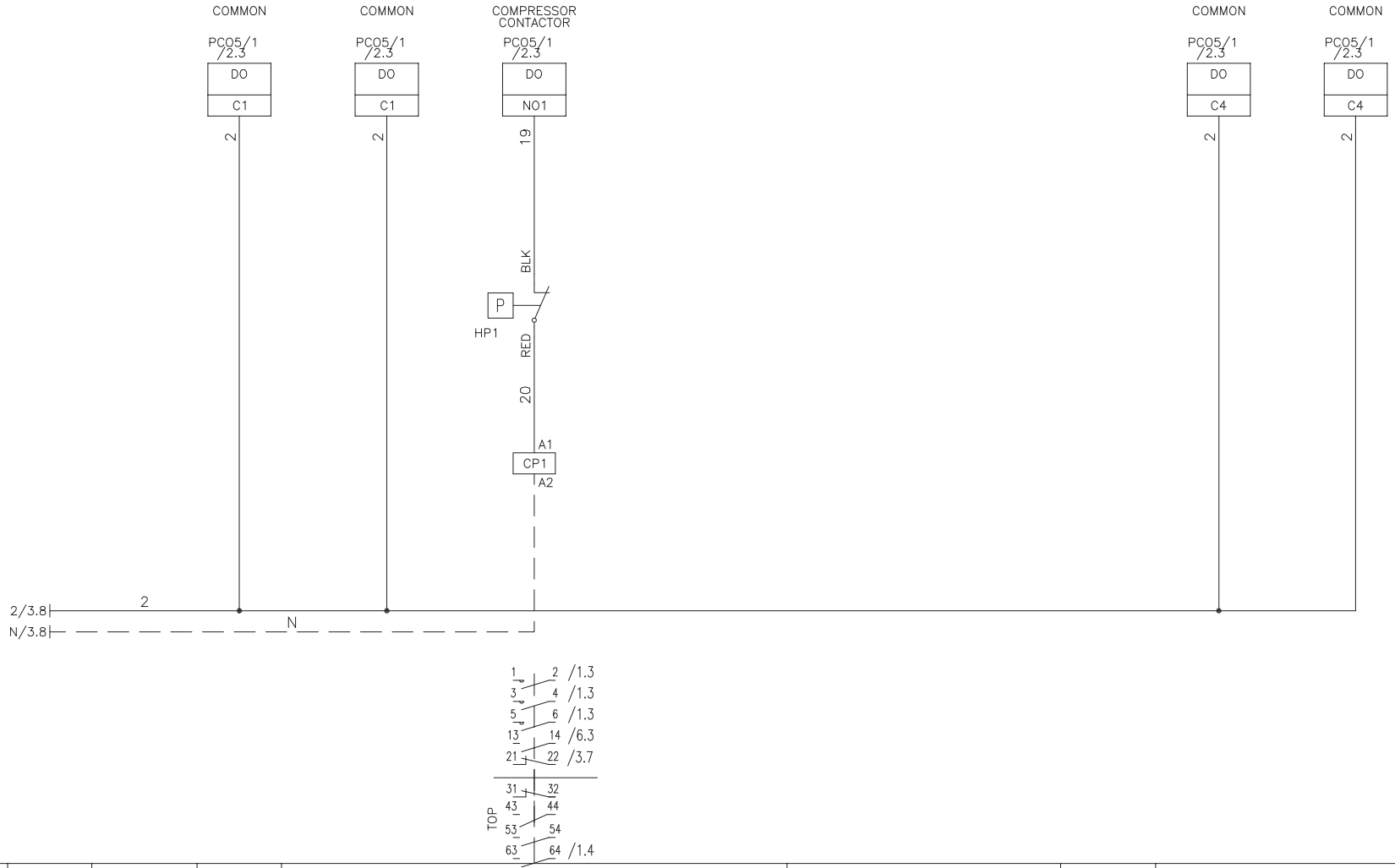
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TITLE : ANALOGUE INPUTS CUR122V40-VCO-0

	NAME	DATE
DRAWN	AT	20/05/2011
CHECKED	DEH	31/05/2011
APPROVED	MRT	10/06/2011

ORDER No.	JM54696/14903
CUSTOMER	Clean Room Construction Ltd
SALES ORDER No.	**63271911**
MANUFACTURING No.	82103639
DRG No.	0D-04-0094
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ISSUE	MOD No.	DATE	NAME	DETAILS OF MODIFICATION
P	DC11548	17/05/2013	AT	S3G630 EC FAN WIRING UPDATED
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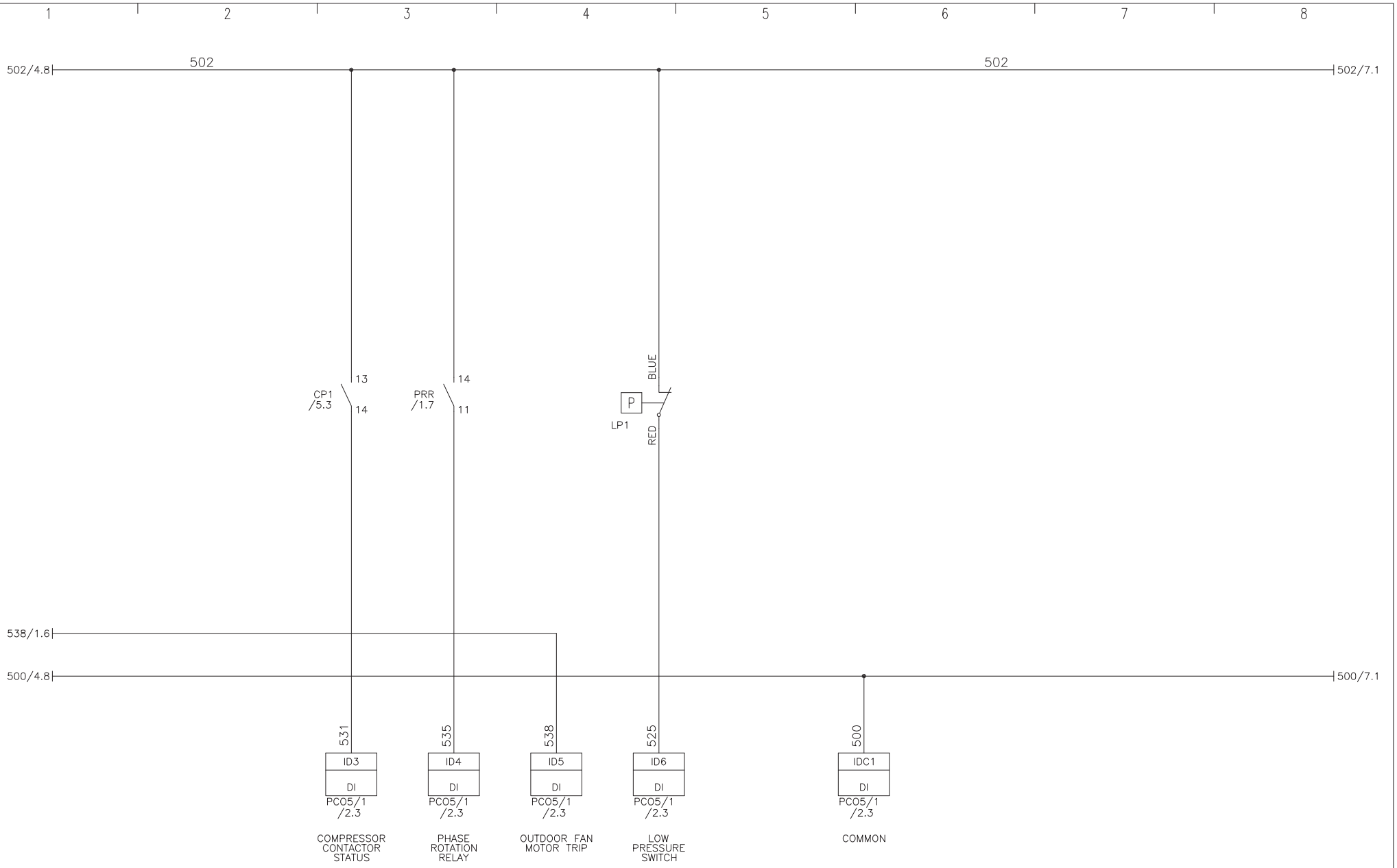
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TITLE : DIGITAL OUTPUTS CUR122V40-VCO-0

	NAME	DATE
DRAWN	AT	20/05/2011
CHECKED	DEH	31/05/2011
APPROVED	MRT	10/06/2011

ORDER No.	JM54696/14903
CUSTOMER	Clean Room Construction Ltd
SALES ORDER No.	**63271911**
MANUFACTURING No.	82103639
DRG No.	0D-04-0094
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ISSUE	MOD No.	DATE	NAME	DETAILS OF MODIFICATION
P	DC11548	17/05/2013	AT	S3G630 EC FAN WIRING UPDATED
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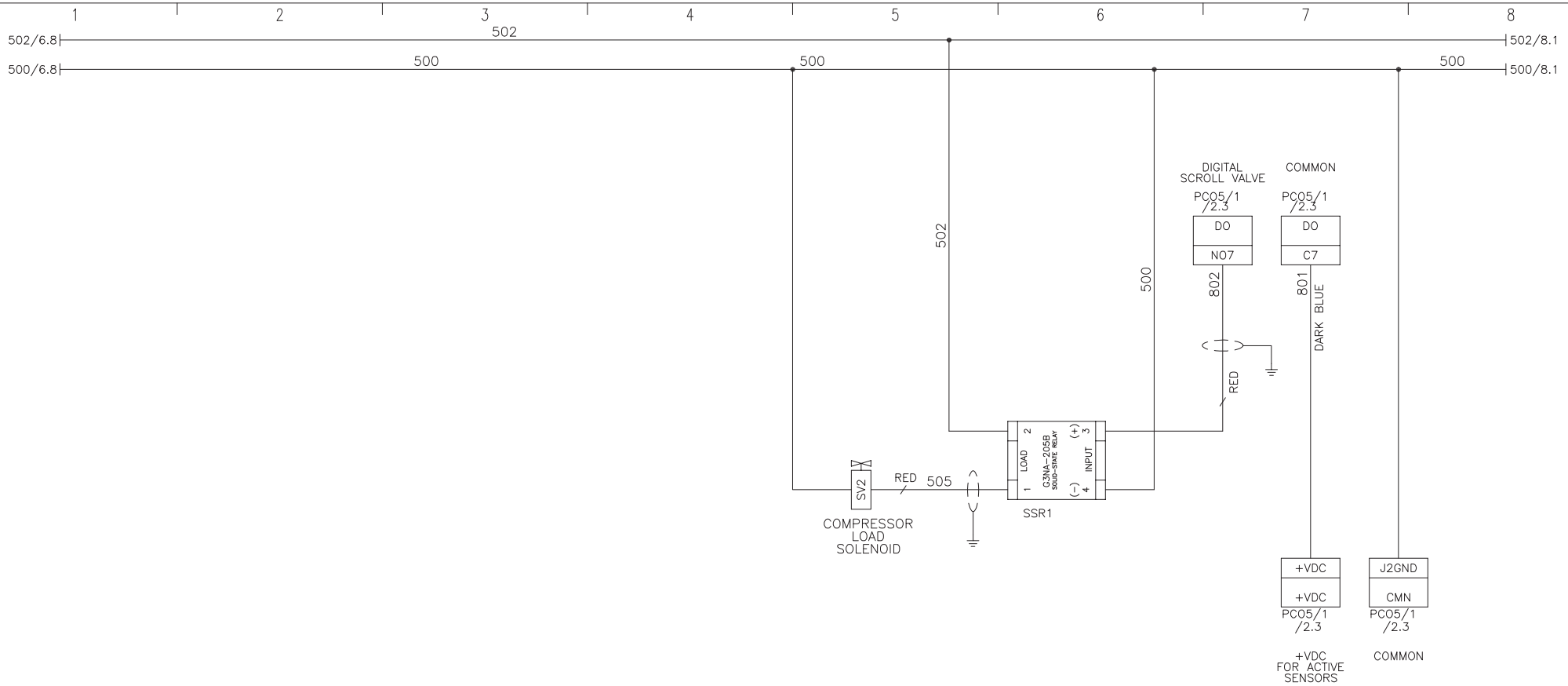
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TITLE : DIGITAL INPUTS CUR122V40–VCO–0

	NAME	DATE
DRAWN	AT	20/05/2011
CHECKED	DEH	31/05/2011
APPROVED	MRT	10/06/2011

ORDER No.	JM54696/14903
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ISSUE	MOD No.	DATE	NAME	DETAILS OF MODIFICATION
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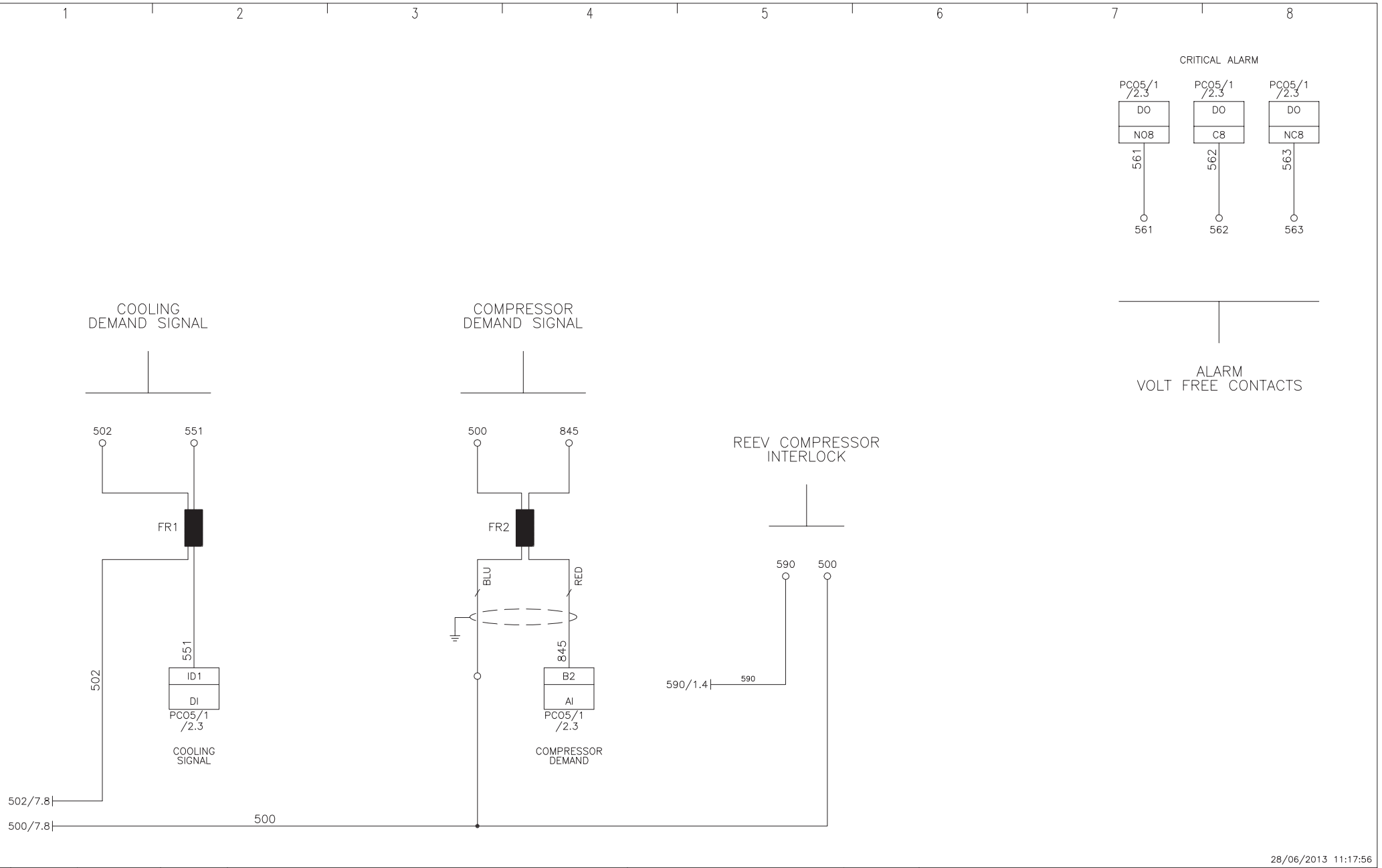
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TITLE : DIGITAL SCROLL VALVE CUR122V40-VCO-0

	NAME	DATE
DRAWN	AT	20/05/2011
CHECKED	DEH	31/05/2011
APPROVED	MRT	10/06/2011

ORDER No.	JM54696/14903
CUSTOMER	Clean Room Construction Ltd
SALES ORDER No.	**63271911**
MANUFACTURING No.	82103639
DRG No.	0D-04-0094
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ISSUE	MOD No.	DATE	NAME	DETAILS OF MODIFICATION
P	DC11548	17/05/2013	AT	S3G630 EC FAN WIRING UPDATED
O	DM3046	28/01/2013	AT	EVD ENABLE SIGNAL ADDED
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	NAME	DATE
DRAWN	AT	20/05/2011
CHECKED	DEH	31/05/2011
APPROVED	MRT	10/06/2011

TITLE : CUSTOMER CONNECTIONS CUR122V40-VCO-0

ORDER No.	JM54696/14903
CUSTOMER	Clean Room Construction Ltd
SALES ORDER No.	**63271911**
MANUFACTURING No.	82103639
DRG No.	0D-04-0094
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Airedale
APPLIED THERMAL INNOVATION

Airedale International Air Conditioning Ltd
Leeds Road, Rawdon, Leeds, LS19 6JY, UK
T +44 (0) 113 239 1000
F +44 (0) 113 250 7219
E enquiries@airedale.com
W www.airedale.com

Recommended Spare Parts List

Sales Order No.: 63271911
Production Order No.: 82103639

Date: 03.07.2013
Page: 1
spares contact details:
Tel: 44(0)113 2391000
Fax: 44(0)113 2506879
Email: spares@airedale.com

Material	Qty	Description	Recommended Spares Each 1 Year	3 Year	5 Year	List Price Each GBP
UNIT: 7175219		**CUR122V40-VCO-0 BLUCUBE CONDENSING UNIT (000010)**				
6092126	1	ISOLATOR	-	1	2	43.60
6585574	1	MCB 40AMP 3POLE	1	2	3	17.10
6585509	2	MCB 4AMP 3POLE	1	2	3	17.10
6585277	2	MCB 4AMP 1POLE	1	2	3	6.70
6585251	1	MCB 2AMP 1POLE	1	2	3	6.70
7493380	1	AUXILIARY BLOCK	-	1	2	6.80
7302144	1	CONTACTOR 38A	1	2	3	51.10
7214570	1	RELAY SOLID STATE	1	1	2	45.30
6095673	1	RELAY SEQUENCE 3 PHASE	-	1	2	86.70
7108285	1	COMPRESSOR SCROLL	-	-	1	2,844.00
6997886	1	CRANKCASE HEATER	-	1	2	56.10
7165293	1	PANEL HEATER 60W 230V	-	-	1	69.80
6101000	1	THERMOSTAT	-	1	2	52.80
7156011	1	CONTROLLER PC05	-	1	2	740.10
6393060	1	TRANSDUCER (0-45BAR)	-	1	2	52.00
6921621	1	SENSOR PIPE MOUNTING	-	1	2	31.10
6102289	1	EMC FILTER	1	2	3	13.00
6102297	1	EMC FERRITE	1	2	3	9.00
6102800	1	SENSOR NTC (HIGH TEMPERATURE)	-	1	2	16.40
7136252	1	TRANSFORMER 100VA	-	1	2	36.90
7425408	3	CAPACITOR 0.47UF	-	1	2	8.80
7108822	1	FAN EC AXIAL	-	-	1	1,461.40
6491930	1	SWITCH LP	-	1	2	24.00
7154487	1	SWITCH HP	-	1	2	30.00
7159593	1	SOLENOID COIL 24V	-	1	2	87.30
6197974	1	VALVE BALL 1 5/8"	-	1	2	125.50
6199087	1	VALVE BALL 5/8"	-	1	2	32.80
6205868	1	DRIER FILTER 5/8"	-	1	2	13.00