







		Name SWITCH MODE		Article nr.	
		POWER SUPPLY		76 1177	
R	9,10 8 7 2 P1 1 6 3 4 5 12 71 11 13 27 26 20 24,25 72 60 63 61,62 14,19,18 64 16,17 65 15 66 67 68 69,70 39,40,NTC156,44 37,41,45 55 46 47 48,49, P2 50	MODIFICATIONS RESERVED			
C	8 7 6 1,2 3 5 9 11 10 66 12 34 4 19,25,26,27,29,30 18,32,64,65 26 31 15,17 60 16 61 62 44 63 41,42,43,45,48,51,55,56,60 46 49 50				
Q	D5 D1, D2, D3, D4 D6 D7, D8 1 D52 D18,D19,D20 D50,D51,D10,D11 4 Z1 2,5 D9 6 7 Z2 8 Z2 D25				
		BARCO Electronic		Noordlaan, 5 8720 Kuurne - Belgium	

PARTS LISTING - UNIT SMP SUP
(D851022)

76 1177

ITEM NO.	SIT.	DESCRIPTION	ITEM NO.	SIT.	DESCRIPTION
11 2837	C..1	CAPACITOR CE DI 10K S 400	10 1266	R..1	RESISTOR CF 330K J 0,50
11 2837	C..2	CAPACITOR CE DI 10K S 400	10 3352	R..2	RESISTOR MO 22K J 4W
11 1655	C..3	CAPACITOR ELRA 400M T 385	10 1100	R..3	RESISTOR CF 1E J OW25
11 4722	C..4	CAPACITOR CESA Y 2K2 M 400	10 1100	R..4	RESISTOR CF 1E J OW25
11 1477	C..5	CAPACITOR ELPR 100M Z5 25	10 1160	R..5	RESISTOR CF 100K J OW25
11 4120	C..6	CAPACITOR POMEFF 10K K 250	10 1165	R..6	RESISTOR CF 270K J OW25
11 2234	C..7	CAPACITOR NPO MI 22P G5 63	10 1150	R..7	RESISTOR CF 15K J OW25
11 1477	C..8	CAPACITOR ELPR 100M Z5 25	10 1148	R..8	RESISTOR CF 10K J OW25
11 1546	C..9	CAPACITOR ELPRMI 1M M5 50	10 1128	R..9	RESISTOR CF 220E J OW25
11 39112	C.10	CAPACITOR PETPPF 8K2 J 250	10 1137	R.10	RESISTOR CF 1K2 J OW25
11 1477	C.11	CAPACITOR ELPR 100M Z5 25	10 4268	R.11	RESISTOR WW V 33E K 7W
11 50051	C.12	CAPACITOR PP 2K2 J 1500	10 1217	R.12	RESISTOR CF 27E J OW50
11 1418	C.15	CAPACITOR ELSN 22M T 350	10 46781	R.13	RESISTOR HV 10M J 1W
11 1408	C.16	CAPACITOR ELSN 22M T 250	10 1132	R.14	RESISTOR CF 470E J OW25
11 1639	C.17	CAPACITOR ELRA 47M T 250	10 12888	R.15	RESISTOR CFF E82 J OW50
11 1639	C.18	CAPACITOR ELRA 47M T 250	10 4407	R.16	RESISTOR WW V 3E3 K 11W
11 1716	C.19	CAPACITOR CE 680P 1000	10 1144	R.17	RESISTOR CF 4K7 J OW25
11 1626	C.25	CAPACITOR ELRA 1000M T 40	10 1144	R.18	RESISTOR CF 4K7 J OW25
11 1478	C.26	CAPACITOR ELPR 220M Z5 25	10 1259	R.19	RESISTOR CF 82K J OW50
11 1626	C.27	CAPACITOR ELRA 1000M T 40	10 3658	R.20	RESISTOR WW H 680E K 4W
11 1626	C.28	CAPACITOR ELRA 1000M T 40	10 3611	R.24	RESISTOR WW H 0E82 K 4W
11 1626	C.29	CAPACITOR ELRA 1000M T 40	10 12169	R.25	RESISTOR CFFUL 22E J OW50
11 1408	C.30	CAPACITOR ELSN 22M T 250	10 1112	R.30	RESISTOR CF 10E J OW25
11 1408	C.31	CAPACITOR ELSN 22M T 250	10 1164	R.38	RESISTOR CF 220K J OW25
11 1488	C.32	CAPACITOR ELPR 220M Z5 40	10 1163	R.44	RESISTOR CF 180K J OW25
11 50051	C.34	CAPACITOR PP 2K2 J 1500	10 1145	R.45	RESISTOR CF 5K6 J OW25
11 2774	C.48	CAPACITOR CE MI 100K U5 63	10 4668	R.46	RESISTOR HV 3M9 J OW50
11 17221	C.49	CAPACITOR PP DD 15K J 1500	10 1172	R.47	RESISTOR CF 1M J OW25
11 1546	C.50	CAPACITOR ELPRMI 1M M5 50	10 1166	R.48	RESISTOR CF 330K J OW25
11 4130	C.51	CAPACITOR POMEFF 68K K 250	10 1150	R.49	RESISTOR CF 15K J OW25
11 3724	C.55	CAPACITOR POME 100K K5 63	10 1138	R.50	RESISTOR CF 1K5 J OW25
11 2827	C.56	CAPACITOR CE DI 1K5 S 400	10 1156	R.55	RESISTOR CF 47K J OW25
			10 1126	R.56	RESISTOR CF 150E J OW25
13 19025	D..1	DIODE RECTIFIER BY255	77 4118	T..2	TRFSMPFIX DATA 2B43
13 19025	D..2	DIODE RECTIFIER BY255	77 4108	T..3	TRFSMPVAR DATA 3 S43
13 19025	D..3	DIODE RECTIFIER BY255	76 1177T	T..4	UN.TRFSMPCUR DATA 3 S43
13 1646	D..5	DIODE RECTIFIER 1N4007			
13 1911	D..6	DIODE RECTIFIER PY206	13 1742	Z..1	DIODE ZENER 0,5C 6V8
13 1911	D..7	DIODE RECTIFIER PY206	13 1716	Z...	DIODE ZENER 0,5C 5V1
13 1646	D..8	DIODE RECTIFIER 1N4007			
13 1646	D..9	DIODE RECTIFIER 1N4007	31 3525	001.	CONNECTOR EURO MOBSE P32X2
13 1913	D.10	DIODE RECTIFIER BY229-1000	36 7448	0011	RIVET AL AL AD36ABS D2,4
13 1928	D.11	DIODE RECTIFIER BY229-600R	31 5315	002.	CONNECTOR RIVET MOBTE D 2L14
13 1921	D.12	DIODE RECTIFIER BY299	31 4501	003.	FUSE 5 X20 CLIPS
13 1921	D.13	DIODE RECTIFIER BY299	31 3220	004.	FASTENER RESISTOR WW H10
13 1921	D.15	DIODE RECTIFIER BY299	31 32651	0041	FASTENER RESISTOR WW H20
13 1928	D.16	DIODE RECTIFIER BY229-600R	80 0561	006.	HEATSINK BU SMP
13 1918	D.17	DIODE RECTIFIER BYW72	80 0324	0060	FIX HEATSINK SMP 43
13 1918	D.18	DIODE RECTIFIER BYW72	36 20236	0061	SCREW DIN84 M 3 X10 MP-
13 1921	D.19	DIODE RECTIFIER BY299	36 75256	0062	WASHER M 3 INOX
13 1921	D.20	DIODE RECTIFIER BY299	31 5332	0066	SOLDERLUG1D 4.2L 22
13 1636	D.25	DIODE SCHOTTKY BAT43 SD101	80 0256	007.	SPACER ISOL BU 43
			13 3064	0071	TRANSISTOR MICA INSULAT SOT-93
31 4106	F..1	FUSE 5 X20 1A6 FAST	80 0354	0072	WASHER D3,25 D7,5MS
13 2747	IC.1	INTEGRATED CIRCUIT TDA4600	36 20256	0073	SCREW DIN84 M 3 X16 MP-
			36 75256	0074	WASHER M 3 INOX
			36 61026	0075	NUT M 3 H D 934
77 3028	L..1	SPOCHOKE SMPPOWER31	80 0656	008.	HEATSINK SMP BYX DATA 2B
77 3028	L..2	SPOCHOKE SMPPOWER31	13 3029	0083	TRANSISTOR SET INSULAT TO-220
77 3028	L..3	SPOCHOKE SMPPOWER31	13 3019	0085	TRANSISTOR SET INSULAT TO-126
77 3028	L..4	SPOCHOKE SMPPOWER31	36 20167	0086	SCREW DIN84 M 2,5X16 MP-
77 3028	L..5	SPOCHOKE SMPPOWER31	36 61106	0087	NUT M 2,5 H D 934
10 5008	NTC1	RESISTOR NTC 100E K OW50	36 20147	0088	SCREW DIN84 M 2,5X10 MP-
			80 0563	009.	HEATSINK SMP TDA4600 DATA 2B
10 6829	P..1	TRIMPOT CEMV 10K K OW50	36 20216	0091	SCREW DIN84 M 3 X 6 MP-
10 6829	P..2	TRIMPOT CEMV 10K K OW50	36 75256	0092	WASHER M 3 INOX
			52 6001	0093	GROMMET CONTINUOUS SOLID 0,5
			80 0604	010.	HEATSINK TO 220AB
71 5831	PC..	PC SMP - 761175	13 3029	0100	TRANSISTOR SET INSULAT TO-220
			36 20236	0101	SCREW DIN84 M 3 X10 MP-
13 25095	Q..1	TRANSISTOR BU508A	36 75256	0102	WASHER M 3 INOX
13 2579	Q..2	TRANSISTOR DAR BD651	36 61026	0103	NUT M 3 H D 934

ITEM NO.	SIT.	DESCRIPTION
36 20216	0104	SCREW DIN84 M 3 X 6 MP-
30 2108	011.	CORE CHOKE 1/3,5X 3
36 75256	012.	WASHER M 3 INOX
36 20216	0121	SCREW DIN84 M 3 X 6 MP-
13 30191		TRANSISTOR BUSH INSULAT TO-126
13 30192		TRANSISTOR MICA INSULAT TO-126
13 30193		TRANSISTOR BUSH INSULAT TO-126
13 30291		TRANSISTOR MICA INSULAT TO-220
13 30291		TRANSISTOR MICA INSULAT TO-220
13 30292		TRANSISTOR BUSH INSULAT TO-220
13 30292		TRANSISTOR BUSH INSULAT TO-220
76 1175S		UN.SMP SUB DATA 2B 43
76 1177P		UN.SMP POW DATA 3 S43
76 1177S		UN.SMP SUB DATA 3 S43

PARTS LISTING - UNIT SMP SUB
(D851022)

76 1175S

ITEM NO.	SIT.	DESCRIPTION	ITEM NO.	SIT.	DESCRIPTION
11 1510	C.40	CAPACITOR ELPRMI 22M M5 25	10 1153	R.37	RESISTOR CF 27K J OW25
11 2774	C.41	CAPACITOR CE MI 100K U5 63	10 1155	R.39	RESISTOR CF 39K J OW25
11 1500	C.42	CAPACITOR ELPRMI 47M M5 10	10 1167	R.40	RESISTOR CF 390K J OW25
11 2735	C.43	CAPACITOR CE MI 470P K5 63	10 1167	R.41	RESISTOR CF 390K J OW25
11 5926	C.44	CAPACITOR PP RA 2K7 J5 63			
11 1548	C.45	CAPACITOR ELPRMI 2M2 M5 50	13 1742	Z..2	DIODE ZENER 0,5C 6V8
11 1546	C.46	CAPACITOR ELPRMI 1M M5 50			
			31 3366	001.	CONNECTOR CIS MOBSE P 1 REEL
13 2776	IC.2	INTEGRATED CIRCUIT TDA2581	31 3247	002.	CONNECTOR IC FOBTE P16 7,5
			80 0678	003.	CAN SMP SUB DATA 2B
71 5832	PC..	PC SMP - 761175S			

PARTS LISTING - UNIT SMP POW
(D851022)

76 1177P

ITEM NO.	SIT.	DESCRIPTION	ITEM NO.	SIT.	DESCRIPTION
11 4602	C.66	CAPACITOR POHVPO 47K M 1000	36 7600	002.	FIXING BLOC UNIVERSEL M3
			36 75256	0021	WASHER M 3 INOX
13 1913	D.52	DIODE RECTIFIER BY229-1000	36 20226	0022	SCREW DIN84 M 3 X 8 MP-
			80 1144	003.	HEATSINK BU 761177P
71 6254	PC..	PC SMP - 761177P	36 7455	0031	RIVET AL FE TAP/D/BS46 D3,2
			80 1151	004.	SPACER ISOL BUT HOR S43
13 25095	Q..3	TRANSISTOR BU508A	13 3064	0041	TRANSISTOR MICA INSULAT SOT-93
			36 20246	0042	SCREW DIN84 M 3 X12 MP-
10 3356	R.71	RESISTOR MO 47K J 4W	36 75256	0043	WASHER M 3 INOX
10 1220	R.72	RESISTOR CF 47E J OW50	80 0354	0044	WASHER D3,25 D7,5MS
			36 61026	0045	NUT M 3 H D 934
13 3036	001.	SPACER CERAMIC DIA 6/2,4 L6			

PARTS LISTING - UNIT SMP SUB
(D851022)

76 1177S

ITEM NO.	SIT.	DESCRIPTION	ITEM NO.	SIT.	DESCRIPTION
11 37121	C.60	CAPACITOR POME 10K K5 100	10 1231	R.60	RESISTOR CF 390E J OW50
11 2829	C.61	CAPACITOR CE DI 2K2 S 400	10 1136	R.61	RESISTOR CF 1K J OW25
11 37161	C.62	CAPACITOR POME 22K K5 100	10 1138	R.62	RESISTOR CF 1K5 J OW25
11 3890	C.63	CAPACITOR PETPFP 2M2 K 100	10 1151	R.63	RESISTOR CF 18K J OW25
11 1479	C.64	CAPACITOR ELPR 470M Z5 25	10 1136	R.64	RESISTOR CF 1K J OW25
11 1479	C.65	CAPACITOR ELPR 470M Z5 25	10 1140	R.65	RESISTOR CF 2K2 J OW25
13 1914	D.50	DIODE RECTIFIER BYV19-45	10 1132	R.66	RESISTOR CF 470E J OW25
13 1921	D.51	DIODE RECTIFIER BY299	10 1132	R.67	RESISTOR CF 470E J OW25
13 1694	I..3	OPTO COUPLER CNY17-3	10 1132	R.68	RESISTOR CF 470E J OW25
71 6251	PC..	PC SMP - 761177S	10 4413	R.69	RESISTOR WW V 10E K 11W
13 14131	Q..5	TRANSISTOR BC557B BC307B	10 4414	R.70	RESISTOR WW V 12E K 11W
13 1426	Q..6	TRANSISTOR BC337	77 4106	T..5	TRFSMPDRI DATA 3 S43
13 1426	Q..7	TRANSISTOR BC337	31 3284	001.	CONNECTOR CIS MOBSE P 1 REEL
13 2570	Q..8	TRANSISTOR BD709	13 3065	002.	TRANSISTOR COOLER TO-220
			36 20226	0021	SCREW DIN84 M 3 X 8 MP-
			36 75256	0022	WASHER M 3 INOX
			36 61026	0023	NUT M 3 H D 934
			31 3220	003.	FASTENER RESISTOR WW H10

PARTS LISTING - UNIT TRF SMP CUR
(D851127)

76 1177T

ITEM NO.	SIT.	DESCRIPTION
76 1175U		UN.TRFSMPCURDATA 2B
77 4141	T..4	TRFSMPCUR DATA 3 S43
31 3284	001.	CONNECTOR CIS MOBSE P 1 REEL
72 1790	002.	HOUSE 761175T
51 0347	003.	IMPREGNATE SYLGARD 170AB

PARTS LISTING - UNIT TRF SMP CUR
(D851127)

76 1175U

ITEM NO.	SIT.	DESCRIPTION
71 5838	PC..	PC TRFCUR - 761175T
10 1132	R.26	RESISTOR CF 470E J OW25
10 1116	R.27	RESISTOR CF 22E J OW25
31 3284	001.	CONNECTOR CIS MOBSE P 1 REEL

AFREGELING P1 ADJ V OUT
P2 ADJ HT HD

Vorbereiding

- Plaats de "SM Power Supply" print op de verlengprinten (nr. 792009).
- Plaats de schakelaar Fstd/Fadj op de bediening in de stand Fstd.
- Plaats de schakelaar Normal/⚡ in de stand ⚡.

Instelling

a. Potentiometer P1 ADJ V OUT

- sluit de voltmeter aan op printkontakt B 7.8 (+17V).
- regel P1 voor +17V (DC).

b. Potentiometer P2 ADJ HT HD

- sluit de voltmeter aan op de kollektor van transistor Q2.
- regel P2 voor +100V (DC).

REGLAGE P1 ADJ V OUT
P2 ADJ HT HD

Préparation

- mettre le module d'alimentation sur des platines de rallonge (n° 792009).
- positionner le sélecteur Fstd/Fadj sur le module de contrôle sur Fstd.
- positionner le sélecteur Normal/⚡ sur ⚡.

Réglage

a. Le potentiomètre P1 ADJ V OUT

- brancher le voltmètre à la cosse B 7.8 (+17V) du module.
- régler P1 pour +17V (DC).

b. Le potentiomètre P2 ADJ HT HD

- brancher le voltmètre au collecteur du transistor Q2.
- régler P2 pour +100V (DC).

ADJUSTMENT P1 ADJ V OUT
P2 ADJ HT HD

Preparation

- put the SM Power Supply board on the extension boards (n° 792009).
- slide the switch Fstd/Fadj on the control/switch box in the Fstd position.
- slide the switch Normal/⚡ in the position ⚡.

Adjustment

a. The potentiometer P1 ADJ V OUT

- connect the voltmeter to clamp B 7.8 (+17V) of the board.
- adjust P1 for +17V (DC).

b. The potentiometer P2 ADJ HT HD

- connect the voltmeter to the collector of transistor Q2.
- adjust P2 for +100V (DC).