

REMOTE CONTROL AMPLIFIER

PURCHASED ITEM	MATERIAL LIST			MODEL	PROJ. NO.								LIST NO.						
	QUANTITY REQ.	P P L	PART NO.	REV	DWG SIZE	DESCRIPTION ELECTRICAL/MECHANICAL	REF	SYMBOLS	ISSUE								SHEET	OF	SHEETS
									A	B	C	D	E	F	G	H			
P	1		BI-101-44	B	1	Lamp, Incandescent, Bayonet Base		I801											
P	1		CA-103-72	B	1	Cord Set, Power		W801											
P	8		CC-100-9	T	2	Capacitor, Fixed, Ceramic Disc.		C832,833,834,835,836, 837,838,839 C804											
P	1		CC-100-16	H	2	Capacitor, Fixed, Ceramic Disc.													
P	3		CE52E200R	A	2	Capacitor, Dry Electrolytic Polarized		C803,825,826											
P	1		CL-100-5	D	1	Choke, R.F. Fixed		L801											
P	1		CL-121		1	Coil Filter Oscillator		L802											
P	1		CM20B102J	C	2	Capacitor, Fixed, Mica	(1) A-1168	C806 C801,802											
P	2		CM20B271K		2	Capacitor, Fixed, Mica													

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PURCHASED ITEM	MATERIAL LIST				MODEL	PROJ. NO.								LIST NO.	ML-RTC-1			
	QUANTITY REQ.	NPL	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS	ISSUE							SHEET 2	OF 15	SHEETS
									E	F	G	H						
P	10		CM35C103J	A	2	Capacitor, Fixed, Mica	A-1168 A-1168	C805,807,814,815,817,818, C821,823,824, C829										
P	2		CN-100-3	B	1	Capacitor, Fixed, Molded Plastic	(2)A-1168	C809,812										
P	3		CN-100-4	B	1	Capacitor, Fixed, Molded Plastic	(2)A-1168	C816,822, C840										
P	2		CN-100-17	B	1	Capacitor, Fixed, Molded Plastic	(2)A-1168	C808,811										
P	2		CN104E2003K		2	Capacitor, Fixed, Dielectric, "Mylar"	(2)A-1168	C810,813										
P	1		CP53BLEF504K		2	Capacitor, Fixed, Bath Tub Case		C828										
P	3		CU-118-4S			Clamp, Retaining	(3)CE52 Mtg.											
P	4		CU-139-2B		1	Ferrule, Handle (For Rack Only)												
P	1		FH-100-2	A	1	Fuse, Extractor Post		XF801										
P	1		FU-100-3		1	Fuse, Cartridge		F801										
P	2		HA-102-2-BN		2	Handle (For Rack Only)												

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	QUANTITY REQ.	N P L	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS	ISSUE										SHEET 3 OF 15 SHEETS		
									F G H												
ELECTRICAL/MECHANICAL																					
P	2		JJ-034		1	Jack, Telephone		J802,803													
P	1		JJ-100		1	Receptacle, Male, Twist Lock		J804													
P	1		JJ-133-3		1	Connector, Receptacle, Female		J801													
P	1		LD-241		1	Dial Template	p/o MR-111-27-50														
P	3		MP-106-2		1	Knob, Instrument Skirt Type															
P	1		MR-111-27-50		2	DC Microampere	LD-241	M801													
P	2		MS-154-1		1	Straddle Plate															
	1		MS-660-1		1	Bracket, Left															
	1		MS-660-2		1	Bracket, Right															
P	1		MS-731		8	Front Panel Machining	LD-239, LD-258														

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PURCHASED ITEM	MATERIAL LIST				MODEL	PROJ. NO.	LIST NO.	ML-RTC-1			
	QUANTITY REQ.	NPL	PART NO.	REV	ISSUE		SHEET	4	OF	15 SHEETS	
				DWG SIZE	DESCRIPTION		REF	SYMBOLS			
					ELECTRICAL/MECHANICAL						
	1		MS-755		8	Side plate, Left					
	1		MS-756		8	Side plate, Right					
	1		MS-758		8	Main Chassis	LD-256,257				
	2		MS-788		1	Strap Nut					
P	1		NP-103-69		4	Name plate, Navy					
P	1		NP-307		1	Name Plate, Commercial					
P	1		PL-132-3		1	Plug, Male Amphenol (Supplied as Loose Item)		P801			
P	1		PX-317		N.D.	Terminal Board	(1) A-1167				
	1		PX-337-14			Insulation Strip	(1) TM-100 Mtg				
P	1		RC20GF102K		2	Resistor, Fixed, Composition		R802			
P	3		RC20GF104K		2	Resistor, Fixed, Composition		R803,804,830			
P	2		RC20GF105K		2	Resistor, Fixed, Composition		R823,824			
P	1		RC20GF153K		2	Resistor, Fixed, Composition	(1) A-1168	R819			
P	1		RC20GF154K		2	Resistor, Fixed, Composition	(1) A-1168	R833			
P	1		RC20GF184K		2	Resistor, Fixed, Composition		R818			
P	1		RC20GF224K		2	Resistor, Fixed, Composition	(1) A-1168	R812			
P	1		RC20GF271K		2	Resistor, Fixed, Composition		R811			
P	1		RC20GF332K		2	Resistor, Fixed, Composition	(1) A-1168	R805			
P	2		RC20GF333K		2	Resistor, Fixed, Composition	(2) A-1168	R816,815			
P	1		RC20GF393K		2	Resistor, Fixed, Composition	(1) A-1168	R832			
P	3		RC20GF473K		2	Resistor, Fixed, Composition	(2) A-1168	R817,821, R822			
P	6		RC20GF474K		2	Resistor, Fixed, Composition	(1) A-1168	R801,806,813,826, R834, R837			
P	1		RC20GF561K		2	Resistor, Fixed, Composition		R829			
P	1		RC20GF562K		2	Resistor, Fixed, Composition		R808			
P	2		RC20GF682K		2	Resistor, Fixed, Composition	(2) A-1168	R809,814			

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	QUANTITY REQ.	N P L	PART NO.	REV	DWG SIZE	DESCRIPTION								REF	SYMBOLS	
						ELECTRICAL/MECHANICAL										
					ISSUE	A	B	C	D	E	F	G	H	SHEET 5 OF 15 SHEETS		
P	1		RC32GF122K	A	2	Resistor, Fixed, Composition								(1) A-1168	R825	
P	1		RC32GF823K	A	2	Resistor, Fixed, Composition								(1) A-1168	R810	
P	1		RC42GF103K	A	2	Resistor, Fixed, Composition								(1) A-1168	R835	
P	1		RC42GF224K	A	2	Resistor, Fixed, Composition									R836	
P	1		RC42GF392K	A	2	Resistor, Fixed, Composition									R827	
P	1		RL-116-DC-2C-120	A	2	Relay, Phil-Trol									K801	
P	1		RV4ATRD503B	C	2	Resistor, 2W Variable Composition									R820	
P	1		RV4ATRD504B	C	2	Resistor, 2W Variable Composition									R807	
P	1		RV4ATXD501B	C	2	Resistor, 2W Variable Composition									R828	
P	1		RW-109-36	E	1	Resistor Fixed Wire Wound 10 Watts									R831	
P	2		ST-22K	B	2	Switch, Toggle									S803,801	

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PURCHASED ITEM	MATERIAL LIST				MODEL	PROJ. NO.										LIST NO.	ML-RTC-1		
	QUANTITY REQ.	NPL	PART NO.	REV	ISSUE	EFGH										SHEET	7	OF	15
					DWG SIZE	DESCRIPTION	REF	SYMBOLS											
						ELECTRICAL/MECHANICAL													
						<u>TUBES</u>													
P	1		1N34			Diode, Germanium	(1) A-1168	CR801											
P	1		1N39			Diode		CR802											
P	1		12AX7			Tube, Electron		V801											
P	2		12AT7			Tube, Electron		V802,804											
P	1		12AU7			Tube, Electron		V803											
P	1		5Y3			Tube, Electron		V805											

REMOTE CONTROL AMPLIFIER

PURCHASED ITEM	MATERIAL LIST				MODEL	PROJ. NO.										LIST NO.	ML-RTC-1	
	QUANTITY REQ.	NPL	PART NO.	REV	ISSUE	EF	GH									SHEET	8	OF 15
					DWG SIZE	DESCRIPTION										REF	SYMBOLS	
						HARDWARE												
P	1		CU-100-3		1	Holder - Tube										(1)V805 Mtg.		
P	2		CU-102-4		1	Clamp, Plastic "G" Type										(2)CA-274 Mtg.		
P	1		EY-102-3		2	Grommet Elastic												
P	4		FW06HBN		1	Washer, Flat										(3)A-1167 Mtg.		
P	2		FW08HBN		1	Washer, Flat										(1)RW-109 Mtg.		
P	4		FW10HBN		1	Washer, Flat (For Cabinet Mtg. Only)										(2)MS-731 Mtg.		
P	2		LWE04MRN		1	Lockwasher, External										(4) Unit Mtg.		
P	32		LWE06MRN		1	Lockwasher, External										(2)TM-100 Mtg.		
																(3)A-1167 Mtg.		
																(1)CL-120 Mtg.		
																(2)CP53 Mtg.		
																(2)JJ-100 Mtg.		
																(1)RW-109 Mtg.		
																(4)TF-154 Mtg.		
																(8)TF-166 Mtg.		
																(2)TM-100 Mtg.		
																(1)TM-117 Mtg.		
																(8)TS-101 Mtg.		
P	16		LWE08MRN		1	Lockwasher, External										(2)MS-660-1 Mtg.		
																(2)MS-660-2 Mtg.		
																(6)MS-731 Mtg.		
																(3)MS-755 Mtg.		
																(3)MS-756 Mtg.		

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MATERIAL LIST		REV.											MODEL	ML-RTC-1		
													SHEET	10	OF	15
QUAN. PER UNIT	PART NO.	DESCRIPTION	REF.	ITEM LOCATION			REF. SYMBOLS AND/OR REMARKS									
				USED ON	USED TO MOUNT	QUAN.										
		HARDWARE														
12	SCBP0440BN3	Screw, Machine			TE-102	12										
8	SCBP0440BN5	Screw, Machine			TS-103	8										
4	SCBP0440BN10	Screw, Machine			TM-100	4										
25	SCBP0632BN5	Screw, Machine		CA-274	A-1167	3										
					CP-53	2										
					JJ-100	2										
					L803	4										
					L804	4										
					TF-154	4										
					TM-117	1										
					TS-101	8										
2	SCBP0632BN8	Screw, Machine		CA-274		2										
1	SCBP0632BN24	Screw, Machine			CL-120	1										
1	SCBP0632BN36	Screw, Machine			RW-109	1										
10	SCBP0832BN6	Screw, Machine			MS-660-1	2										
					MS-660-2	2										
					MS-755	3										
					MS-756	3										
6	SCBP0832BN10	Screw, Machine			MS-731	6										
4	SCBP1032BN8	Screw, Machine (For Cabinet Mtg. Only)			Unit	4										
3	SCFP0632BN6	Screw, Machine		A-1167		3										
4	SFB0256SN3	Screw, Self Threading			Nameplate	4										

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PURCHASED ITEM	MATERIAL LIST				MODEL	PROJ. NO.	LIST NO.	ML-RTC-1			
	QUANTITY REQ.	NPL	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS	SHEET 13 OF 15 SHEETS		
					ISSUE				E	F	G
						RAW MATERIALS					
P	40"		PX-100-1-.106		1	Sleeving, Size #10	BLACK	(10")A-1168			
								(30")CA-268			
P	X		PX-104-1-.022		1	Sleeving, Size #24	BLACK	(X) A-1168			
P	3"		PX-104-1-.034		1	Sleeving, Size #20	BLACK	(3" CA-274			
P	X		PX-104-2-.022		1	Sleeving, Size #24	YELLOW	(X) A-1168			
P	X		PX-104-3-.022		1	Sleeving, Size #24	RED	(X) A-1168			
P	X		PX-104-4-.022		1	Sleeving, Size #24	GREEN	(X) A-1168			
P	X		PX-104-6-.022		1	Sleeving, Size #24	BLUE	(X) A-1168			
P	X		PX-104-7-.022		1	Sleeving, Size #24	GRAY	(X) A-1168			
P	X		PX-104-8-.022		1	Sleeving, Size #24	ORANGE	(X) A-1168			
P	X		TA-102-1		1	Tape, Scotch		(X) CA-274			
P	X		TA-103-3		1	Tape		(X) CA-268			
P	87"		WI-101-2		1	Cable, Shield, cc		(87")CA-268			
P	30"		WI-101-4		1	Cable, Shield, Flexible		(13")A-1168			
								(17½")CA-268			
P	X		WI-130-6-20		1	Cable, Multi Conductor Shield		(X) CA-274			
P	3"		WL-100-6		1	Wire, Buss		(3")CA-274			
P	X		WL-100-7		1	Wire, Buss 22 Ga.	(X)	(X)A-1168			
P	X		WL-100-8		1	Wire, Buss 24 Ga.		(X)A-1168			

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PURCHASED ITEM	MATERIAL LIST				MODEL	PROJ. NO.	LIST NO. <u>ML-RTC-1</u>
	QUANTITY REQ.	NPL	PART NO.	REV	ISSUE		SHEET 14 OF 15 SHEETS
				DWG SIZE	DESCRIPTION	REF	SYMBOLS
SUPPORTING DRAWINGS							
	1		A-1161	ND	Fianl Assembly		
	1		A-1167	2	Terminal Board Sub-Assembly	(1) A-1168	
	1		A-1168	4	Terminal Board Assembly		
	1		A-1228	8	Case and Cover		
	1		CA-268	8	Cable		
	1		CA-274-12	2	Cable Assembly, Remote Control (Supplied as Loose Item)		W802
	1		CA-280-2.5	1	Cable		
	1		CK-322	8	Schematic Diagram		
P	1		LD-239	8	Lettering, Front Panel	MS-731	
P	1		LD-256	8	Chassis, Stamping Top	MS-758	
P	1		LD-257	8	Chassis, Stamping Bottom	MS-758	
P	1		LD-258	8	Front Panel Stamping, Rear	MS-731	

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PURCHASED ITEM	MATERIAL LIST			MODEL	PROJ. NO.										LIST NO.	ML-RTC-1				
	QUANTITY REQ.	NPL	PART NO.	REV	ISSUE	E	F	G	H								SHEET	15	OF	15
					DWG SIZE	DESCRIPTION SPECIFICATIONS										REF	SYMBOLS			
			S-404			Iridite, Yellow														
			S-107			Water Dip Lacquer														
			S-114			Zinc Chromate Primer														
			S-115			Smooth Gray Enamel														
			S-296			Test Procedure														

REVISION SHEET THE TECHNICAL MATERIAL CORP.
MAMARONECK NEW YORK

ML-RTC-1

MODEL RTC-1

PROJECT NO _____

DATE	REV.	PAGE	EMN#	DESCRIPTION	CHK.	APP.
8-11-60	A	1	2783	Changed CA-103 to CA-103-72, add sym. W801.		
8-11-60	A	10 & 11	2783	Changed all SRIR #'s to MMC #'s.		
8-11-60	A	12	2783	Add sym. W802 to CA-274-12.		
11-8-60	B	2	3409	Added CU-126-B, HA-102-2BN.		
11-8-60	B	4	3409	Added NP-307, NP-103-66.		
11-8-60	B	8	3409	Added SFB0256SN3.		
12-16-60	C	4	3760	Chg. from NP-103-66 to NP-103-69.		
12-27-60	D	4	3831	On RC20GF104K, chg. quan. from 4 to 3; deleted sym. R837.		
		"	"	On RC20GF474K, chg. quan. from 5 to 6; added sym. R837.		
6-26-61	E	3	5116	Deleted (1)IM-166-1 (A-1265) & (1)IM-166-2 (A-1265).		
		"	"	Deleted MS-571.		
6-26-61	E	6	5116	Added (1)TM-117-1.		
6-26-61	E	8	5116	Added (4)FW06HBN & (4)FW10HBN.		
6-26-61	E	9	5116	Added (2)LWT50MRN; (12)LWS04MRN & (4)NT-101-5, deleted NTH0632BN10.		
6-26-61	E	10	5116	Added (12)SCBS0440BN3; (1)SCBS0632BN24; (1)SCBS0632BN36; added (4)SCBS1032BN8; deleted SCRS0632BC36.		
		"	"	Chg. SCBS0440BN4 to BN5; chg. SCBS0632BN6 to BN5;		
		"	"	chg. SCFS0832BN10 quan. from 4 to 6.		
6-26-61	E	11	5116	Added (2)TE-104-1; (2)TE-104-5; (4)WA-101-11; (2)WA-102-4.		
6-26-61	E	12	5116	Added (17")MWC22(7)S2, and deleted (1)A-1265.		
6-26-61	E	13	5116	Added PX-104-7-.022; TA-103-3; (87")WT-101-2;		
		"	"	On WT-101-4, chg. quan. from 13 to 30".		
6-26-61	E	14	5116	Under SUPPORTING DRAWINGS, deleted (1) A-1265.		
6-26-61	E	15	5116	Deleted S-101 & S-107; added S-404.		
		"	"	Renumbered all pages; changed all Hardware from Cadmium to Nickel Plate. <i>Completely Revised Hardware</i>		
11/17/61	F	2	5921	Add 3 ea. CU-118-4S.		
5/23/63	G	2, 4	9141	Revised per EMN		
5/29/63	H	10	9176	Revised per EMN		