

M A T E R I A L   L I S T

TRANSMITTER CONTROL UNIT

MODEL CTCU-1

- SECTION I:                    ELECTRICAL COMPONENTS AND MECHANICAL PARTS
- SECTION II:                    HARDWARE
- SECTION III:                    SUPPORTING DRAWINGS
- SECTION IV:                    LOOSE ITEMS SUPPLIED WITH UNIT

CHECKED R. V. Thomas

APPROVED

J. B. P. D. V. C.

TYPED November 11, 1959.

TRANSMITTER CONTROL UNIT CTCU-1

BILL OF MATERIAL		MODEL	CTCU-1				PROJ. NO.	LIST NO.
		ISSUE	A	B	C	D	M1-10083	
								SHEET 1 OF 5 SHEETS
PART NO.	QUAN. PER ONE EQUIP.	SECTION I:	DESCRIPTION				REMARKS	
		<u>ELECTRICAL COMPONENTS AND MECHANICAL PARTS:</u>						
CP-53B1EF205K	2		CAPACITOR: bathtub, 2 mfd., 600 vd/c.				C201, C202	
CE-10002	1		CAPACITOR: electrolytic 2 x 20 mfd., 150 V.				C203 (Aerovox AEP 44D)	
EY-102-2	1		GROMMET:				for barrier & rect. bracket	
EY-102-15	1		GROMMET:				for barrier	
EY-10001-1	2		GROMMET:				for chassis	
FH-103-3	1		FUSEHOLDER:				F201	
FU-100-250	1		FUSE: 3 AG, 1/4 amp.					
JJ-089	2		KEY JACK:				J202, J203	
JJ-100-A	1		RECEPTACLE: male twist				J201 (Hubbel # 7466)	
MP-100-4	1		KNOB:					
RL-107	1		RELAY: Mercury contact				RY206 (Western Electric 275C)	
RL-10012	1		RELAY: 8-Form C contacts, 48 volt d.c. coil, 500 $\Omega$				RY201 (C.P. Clare # B107453)	
RL-10013	2		RELAY: 3-Form C contacts, 48 volt d.c. coil				RY203 (C.P. Clare # A107453) RY202	
RL-10010	2		RELAY: coaxial, "2-form C external contacts"				RY204, RY205 (Advance CB/1C/2C/115VA)	
RL-10015	1		RELAY: 1-Form C contact, 7500 turns # 36 FMX				RY207 (C.P. Clare # A-29151)	
RC30GF102K	5		RESISTOR: 1000 ohm, 1 W., $\pm 10\%$				R204, R205, R206, R207, R208	
RC30GF122K	5		RESISTOR: 1200 ohm, 1 W., $\pm 10\%$				R209, 210, 213, 214, 215,	
RC30GF100K	2		RESISTOR: 10 ohm, 1 W., $\pm 10\%$				R211, R212	
RW-109-19	3		RESISTOR: 500 ohm, w.w.				R201, R202, R203	
1N253	4		RECTIFIER:				CR201, CR202, CR203, CR204	
ST-12-A	3		SWITCH:				S201, S202, S204	
SW-10013	1		SWITCH: rotary, non-shorting, 5 circuit, 3 pos.				S205	

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BILL OF MATERIAL		MODEL CTCU-1				PROJ. NO.				LIST NO. M1-10083	
		ISSUE	A	B	C	D					SHEET 2 OF 5 SHEETS
PART NO.	QUAN. PER ONE EQUIP.	DESCRIPTION								REMARKS	
TE-102-2	2	INSULATOR: stand-off									
TF-10015	2	TRANSFORMER: audio								T201, T202 (Hammond 804)	
TF-10016	1	TRANSFORMER: power								T203	
TM-100-5	1	TERMINAL BOARD: barrier lug type								E203	
TM-100-6	2	TERMINAL BOARD: barrier lug type								E201, E202	
TM-100-8	2	TERMINAL BOARD: barrier lug type								E204, E205	
TS-121	2	SOCKET: octal									
UG-646/U	2	CONNECTOR: coaxial right angle bend									
CN-10005	1	CAPACITOR: 0.47 uf + 10%, 400 V.									
1N478	2	DIODE: germanium									
NS3W0206	1	PILLAR: ceramic									
RC20GF103K	1	RESISTOR: 10Kohm + 10%, 1/2 watt									
RC20GF122K	1	RESISTOR: 1.2 Kohm + 10%, 1/2 watt									
RC42GF101K	1	RESISTOR: 100 ohm, + 10%, 2 watt									
TE-104-3	1	TERMINAL: locking 8-32 internal tooth									
TE-102-2	1	TERMINAL: insulating									

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BILL OF MATERIAL		MODEL CTCU-1				PROJ. NO.				LIST NO. M1-10083	
		ISSUE	A	B	C	D					SHEET 3 OF 5 SHEETS
PART NO.	QUAN. PER ONE EQUIP.	DESCRIPTION								REMARKS	
<u>SECTION II: HARDWARE</u>											
FS-102-1	12	SPRING: type "S"									
FS-109-3	12	RING RETAINER:									
FS-110-1	12	STUD: slotted head									
FWS03MRN	24	WASHER: spring									
FW06LWB	4	WASHER: flat									
LWIO4MRN	2	LOCKWASHER: 4-40 internal tooth									
LWIO6MRN	37	LOCKWASHER: 6-32 internal tooth									
LWIO8MRN	26	LOCKWASHER: 8-32 internal tooth									
MS-154-1	10	STRADDLE PLATE:									
NP-10055	11	NAMEPLATE:									
NTH0348BN6	24	NUT: 3-48									
NTH0632BN8	33	NUT: 6-32									
NTH0832BN11	16	NUT: 8-32									
SCBS0440BN4	2	SCREW: 4-40 1/4"									
SCFS0348BN4	24	SCREW: 3-48 1/4"									
SCBS0632BN4	4	SCREW: 6-32 1/4"									
SCBS0632BN3	3	SCREW: 6-32 3/16"									
SCBS0632BN5	2	SCREW: 6-32 5/16"									
SCBS0632BN8	20	SCREW: 6-32 1/2"									
SCBS0632BN33	3	SCREW: 6-32 2 1/16"									
SCBS0832BN4	4	SCREW: 8-32 1/4"									
SCBS0832BN5	16	SCREW: 8-32 5/16"									
SCBS0832BN8	4	SCREW: 8-32 1/2"									
SM-111-D-3-08	4	CLINCH NUT: 8-32									
SRIR-3/5(7)U-00	3'	WIRE: insulated, stranded, # 22 gauge								black	
" " -11	8'	WIRE: " " " "								brown	
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TRANSMITTER CONTROL UNIT CTCU-1

BILL OF MATERIAL		MODEL CTCU-1				PROJ. NO.				LIST NO. ML-10083
		ISSUE	A	B	C	D				SHEET 4 OF 5 SHEETS
PART NO.	QUAN. PER ONE EQUIP.	DESCRIPTION								REMARKS
SRIR-3/5(7)U-22	4'	WIRE: insulated, stranded, # 22 gauge red								
" "	-33 15'	WIRE: " " " orange								
" "	-44 10'	WIRE: " " " yellow								
" "	-91 15'	WIRE: " " " White-brown trace								
" "	-93 15'	WIRE: " " " white-orange trace								
" "	-96 15'	WIRE: " " " white-blue trace								
" "	-97 15'	WIRE: " " " white-violet trace								
" "	-99 3'	WIRE: " " " white								
" "	-66 4'	WIRE: " " " blue								
" "	-77 4'	WIRE: " " " violet								
WA-109-35	6	WASHER: fibre								
LWIO6MRN	2	LOCKWASHER: 6-32, internal tooth								
NTH0632BN5	2	NUT: 6-32								
SC-102-1	4	SCREW: (Nameplate)								
SCBS0632BN18	2	SCREW: 6-32								
TE-117-4	2	SPACERS: 3/4" 6-32								
TE-10011-2	1	SOLDER LUG: 6-32								
TE-10011-3	1	SOLDER LUG: 8-32								

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TRANSMITTER CONTROL UNIT CTCU-1

BILL OF MATERIAL

MODEL CTCU-1

PROJ. NO.

LIST NO. M1-10083

ISSUE A B C D

SHEET 5 OF 5 SHEETS

TMC(Canada)LIMITED OTTAWA, ONTARIO

PART NO.	QUAN. PER ONE EQUIP.	DESCRIPTION	REMARKS
<u>SECTION III: SUPPORTING DRAWINGS</u>			
CA-10103 CA-10104 CA-10105		HARNESS HARNESS HARNESS	Drawing Size 2 Drawing Size 4 Drawing Size 8
CK-10337		SCHEMATIC DIAGRAM	Drawing Size 8
LD-10079 LD-10080 LD-10081 LD-10082 LD-10083 MS-10380		FRONT PANEL ENGRAVING CHASSIS STAMPING FRONT PANEL REAR STAMPING BARRIER STAMPING RELAY BRACKET STAMPING RECTIFIER BRACKET STAMPING	Drawing Size 4 Drawing Size 8 Drawing Size 4 Drawing Size 4 Drawing Size 4
MS-10360 MS-10361 MS-10362 MS-10363-1 MS-10363-3 MS-10371 MS-10380		CHASSIS CTCU-1 BARRIER CTCU-1 FRONT PANEL CTCU-1 DUST COVER (Bottom) DUST COVER (Top) RELAY BRACKET RECTIFIER BRACKET	Drawing Size 8 Drawing Size 8 Drawing Size 2 Drawing Size 2 Drawing Size 2 Drawing Size 1 Drawing Size 1
NP-10055		NAMEPLATE	Drawing Size 1
<u>SECTION IV: LOOSE ITEMS SUPPLIED WITH UNIT</u>			
CA-103	1	POWER CORD:	
TM-105-5-AR	1	FANNING STRIP: 5 way	
TM-105-6-AR	2	FANNING STRIP: 6 way	
TM-105-8-AR	2	FANNING STRIP: 8 way	

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