

PURCHASED ITEM	MATERIAL LIST				MODEL	AT-101											PROJ. NO.	LIST NO. NPL-AT-101			
	QUANTITY REQ.	N P L	PART NO.	REV	DWG												REF	SYMBOLS			
					SIZE	DESCRIPTION	REF														
						<u>ELECTRICAL/MECHANICAL</u>															
P	2		NT-130		1		Nut, Knurled, Rotor Adj.		(2)	PM-631											
P	1		NS3W0440		2		Insulator		(1)	CL-166											
	2		PM-526		1		Bushing		(2)	Panel Lock											
	2		PM-527		1		Plunger		(2)	Panel Lock											
	2		PM-528		1		Actuator		(2)	Panel Lock											
	2		PM-529		1		Adaptor, Knob		(2)	Panel Lock											
	1		PM-565		1		Plate, Pressure, Knob		Used On:												
	1		PM-566		1		Plate, Mounting, Knob		Used On:												
P	1		PM-567		1		Stud, Mounting, Knob		Used On:												
P	5		PM-586		1		Shoe, Contact		(1)	A-1819											
	1		PM-607		4		Rotor, Switch		(1)	AR-127											
	1		PM-621		1		Contact; Button, Side		(1)	AX-222											
	4		PM-622-1		1		Contact, Switch		(1)	AX-233											
	1		PM-622-2		1		Contact, Switch, w/strap		(1)	AX-257											
	1		PM-626		1		Shaft, Switch, Drive														
	1		PM-627		1		Shaft, Capacitor, Drive														
	1		PM-628		1		Shaft, Adapter, Capacitor		(1)	AM-112											
	1		PM-631		4		Shaft, Switch, Insulated														
	6		PM-680		1		Bushing, Coil Tap		(6)	CL-221											

PURCHASED ITEM	MATERIAL LIST				MODEL	AT-101					PROJ. NO.	LIST NO. NPL-AT-101			
	QUANTITY REQ.	L P Z	PART NO.	REV	DWG						REF	SYMBOLS			
					SIZE	DESCRIPTION									
						<u>ELECTRICAL/MECHANICAL</u>									
P	2		PO-169		1	Ballast, Fluorescent Lamp							T8201,8202		
P	2		PO-170		1	Starter, Fluorescent Lamp							S8201,8202		
P	1		PO-185-2S		2	Flange, Var. Capacitor, Var. End				(1)	AM-112	Mtg.			
P	1		PO-185-3S		2	Flange, Var. Capacitor, Fixed End				(1)	AM-112	Mtg.			
P	2		PO-185-4S		2	Flange, Fixed Capacitor				(2)	CO-106	Mtg.			
P	1		PO-205-30		2	Wheel, Detent, 30°									
P	1		PO-199		2	Detent Bracket & Arm Assembly									
P	1		PX-451		8	Panel, Meter					LD-696,726				
P	1		PX-467		2	Window, Meter Light									
	1		PX-470		1	Knob, Modified					Use MP-110				
	1		PX-518		1	Plate, Side Button, Inside					LD-808-222	LD-808			
	4		PX-519		2	Support, Coil					(4) CL-221				
P	1		PX-520-1		2	Insert, Coil, Teflon, #1					(1) CL-221				
P	1		PX-520-2		2	Insert, Coil, Teflon, #2					(1) CL-221				
P	1		PX-520-3		2	Insert, Coil, Teflon, #3					(1) CL-221				
P	1		PX-520-4		2	Insert, Coil, Teflon, #4					(1) CL-221				
	1		PX-521		2	Board, Contact Support					(1) AC-112	LD-807			
P	1		PX-522		4	Plate, Switch Wafer					LD-807				
	2		PX-523		4	Support, Coil, Side					(1) AX-258				
	1		PX-525		1	Plate, Side Button, Outside					AC-112				
P	1		PX-530		1	Window, Front Panel					(2) AC-112				
	2		PX-548		2	Support, Fixed Capacitor					AC-112				
											LD-912-222				
											LD-806				

PURCHASED ITEM	MATERIAL LIST			MODEL	AT-101											PROJ. NO.	LIST NO. NPL-AT-101								
	QUANTITY REQ.	L P N	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS	ISSUE	A	B	C	D	E	F	G	H	I	J	K	SHEET	7	OF	14	SHEETS
						<u>ELECTRICAL/MECHANICAL</u>																			
P	1		RC20GF680J		2	Resistor, Fixed, Composition		R8201																	
P	2		SM2520BN1.250		2	Stud	(2) CL-166																		
P	2		SP-118-N		1	Spring, Compression	(2) Panel Lock																		
P	2		SP-127-1		1	Spring, Compression	(1) AX-221																		
P	2		SP-135		1	Spring, Compression	(2) Panel Lock																		
P	1		SW-189		1	Switch, Micro		S8203																	
	1		Switch		-	Switch, Consists of AR-127 & AX-258		S8204																	
	4		TE0832AE39R		2	Spacer, Threaded	(4) AM-112 Mtg.																		
P	2		TS-140		1	Socket, Starter		XS8201, 8202																	
P	4		TS-141		1	Socket, Fluorescent Lamp		XI8201A, 8201B, 8202A, 8202B																	

PURCHASED ITEM	MATERIAL LIST			MODEL	AT-101												PROJ. NO.	LIST NO.	NPL-AT-101		
	QUANTITY REQ.	P P L	REV	DWG SIZE	ISSUE	A	B	C	D	E	F	G	H	J	K			SHEET	8	OF	14
						DESCRIPTION												REF	SYMBOLS		
						<u>HARDWARE</u>															
P	1			1		Setscrew												(1) dAM-112 AM-112			
P	7			2		Bearing, Nylon												(4) Lock			
P	1			2		Bearing, Nylon												(3) Drive Shaft (1) Cap. Drive Shaft			
P	4			1		Ferrule, Handle															
P	14			1		Spring, "S" Type												(5) MS-2073 (5) MS-2074 (4) MS-2076			
P	14			1		Ring, Stud Retaining												(10) MS-2075 (4) MS-2077			
P	14			1		Stud, Slotted Head												(10) MS-2075 (4) MS-2077			
P	4			1		Washer, Flat												(2) CL-166-166			
P	7			1		Washer, Flat												(2) AX-222, (1) AX-233, (1) AX-257			

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PURCHASED ITEM	MATERIAL LIST			MODEL	AT-101											PROJ. NO.	LIST NO. NPL-AT-101								
	QUANTITY REQ.	N P L	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS	ISSUE											SHEET 9 OF 14 SHEETS					
									A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q
						<u>HARDWARE</u>																			
P	1		LWE 25MRN		1	Lockwasher, Ext.	(1) CL-166 Mtg. (1) CL-166 Mtg. MP-113																		
P	1		LWI 25MRN		1	Lockwasher, Int.	(1) AX-222																		
P	10		LWE08MRN		1	Lockwasher, Ext.	(10) AR-127																		
P	5		LWS25MRN		1	Lockwasher, Split	(1) AX-233 (1) AX-257																		
P	17		NT-129-832-4		2	Nut, Swage	(8) MS-2127, (1) MS-1554 (2) MS-2113 (2) MS-2078 (2) MS-2112																		
P	8		NT-129-832-6		2	Nut, Swage	(2) MS-2072 (4) MS-2124																		
P	6		NT-129-632-4		2	Nut, Swage	(2) MS-1554																		
P	12		NTH0832BN10		1	Nut, Hex.	(12) CL-221																		
P	10		NTH2520BN14		1	Nut, Hex.	(2) AX-222 (2) CL-166 (1) CL-166 Mtg. (1) AX-233 (1) AX-257																		
P	2		NTH6218BN24		1	Nut, Hex.	(2) AC-112 (2) Panel Lock																		
P	2		PN59-062-5		2	Pin, Spring	(1) AM-112																		
P	1		PN59-062-8		2	Pin, Spring																			
P	12		PN99-062-16		2	Pin, Spring	(12) CL-221																		
P	1		PN-115-1		2	Pin, Groove, Counter	(1) AC-110																		

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PURCHASED ITEM	MATERIAL LIST			MODEL	PROJ. NO.											LIST NO.	SHEETS				
	QUANTITY REQ.	P	N	ISSUE	A	B	C	D	E	F	G	H	J	K							
				REV	DWG SIZE	DESCRIPTION											REF	SYMBOLS			
						<u>HARDWARE</u>															
P	12				1	SCBS0832BN8	Screw, Machine 2 x 3/8" Long, Brass											(12) CL-221	Used On: MP-113		
P	10				1	SCBS0832BN5	Screw, Machine											(10) AR-127	Used On: MP-113		
P	4				1	SCBS1032BN16	Screw, Machine											(4) AC-112	Used On: MP-113		
P	3				1	SCFS0632DN5	Screw, Machine											(1) AM-112	w/o MP-113		
P	1				1	SCFS2520BN12	Screw, Machine											(1) HA-111	Mtg.		
P	1				1	SCRS1024BN14	Screw, Machine											(1) AR-127			
P	2				2	SING1032BN6	Setscrew											(4) AC-112			
P	4				2	SCI43-1032W16	Screw, Machine, Nylon, 10-32 x 1" Long											(1) AX-221			
P	2				1	SM-107-51	Nut, Insert (10-32)											(1) AX-221			
P	2				1	TE-104-5	Lug											(9) CA-536	Used On: CL-166		
P					2	TE-156-32953	Terminal, 1/4"											(2) CA-536			
P					2	TE-156-34149	Terminal,														
P	4				1	WA-109-50	Washer, Flat, Fiber #10											(4) AC-112			
P	2				1	WA-109-55	Washer, Flat, Fiber											(2) CL-166	L-166		
P	1				1	WA-109-57	Washer, Fiber											Used On: MP-113			
P	1				1	WA-132	Washer, Spring											Used On: MP-113			

PURCHASED ITEM	MATERIAL LIST			MODEL	AT-101											PROJ. NO.	LIST NO. NPL-AT-101					
	QUANTITY REQ.	P N L	PART NO.	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS	ISSUE											SHEET	OF	SHEETS
									A	B	C	D	E	F	G	H	J	K				
						<u>HARDWARE</u>																
P	X		WA-133-5		2	Washer, Thrust		Use On AM-112 If Necessary														
						<u>RAW MATERIALS</u>																
P	1		Aluminum		-	Aluminum Tubing, 3/16 OD x .214 ID x 5/8" Lg. (1)HA-111																
P	X		BS-100		1	Solder, Soft																
P	X		CD-101-1-MW		1	Cord, Lacing	UCA-536: CA-536															
P	X		GL-104-2		1	Insulex	UCL-166166															
P	X		GL-103		1	Cement	UCL-166: GL-166															
P	X		HWC18(16)U TAN		2	Cable, Insulated	Tan CA-536															
P	X		HWC18(16)U5		2	Cable, Insulated	Green CA-536															
P	X		HWC18(16)U92		2	Cable, Insulated	Wh/Red CA-536															
P	X		MWC18(16)U3		2	Cable, Insulated	Orange CA-536															
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PURCHASED ITEM	MATERIAL LIST				MODEL	AT-101												PROJ. NO.	LIST NO. NPL-AT-101		
	QUANTITY REQ.	N P L	PART NO.	REV	DWG													REF	SYMBOLS		
					SIZE	DESCRIPTION	REF														
						<u>RAW MATERIALS</u>															
P	X		MWC20(7)U PINK		2	Cable, Insulated	Pink										CA-536				
P	X		MWC20(7)U0		2	Cable, Insulated	Black										CA-536				
P	X		MWC20(7)U2		2	Cable, Insulated	Red										CA-536				
P	X		MWC20(7)U5		2	Cable, Insulated	Green										CA-536				
P	X		MWC20(7)U6		2	Cable, Insulated	Blue										CA-536				
P	X		MWC20(7)U9		2	Cable, Insulated	White										CA-536				
P	X		MWC20(7)U91		2	Cable, Insulated	Wh/Brown										CA-536				
P	X		MWC20(7)U93		2	Cable, Insulated	Wh/Orange										CA-536				
P	X		MWC20(7)U97		2	Cable, Insulated	Wh/Violet										CA-536				
P	1		Phenolic		-	Phenolic Rod, 1/2 D. x 3/4" Long											(1) HA-111				
P	X		PX-100-1-		1	Sleeving											CA-536				
P	X		PX-100-1-		1	Sleeving											CA-536				
P	34		PX-370-1-7		2	Sleeving, Teflon, Coil (.294 1D)											(34') CL-221				
P	X		PX-370-37-7		2	Sleeving, Teflon, Coil Straps (3/8 1D)											UAC-112:				
P			TU-100-		1	Tubing, Cable Shield											(34') CL-221				
P	34		TU-100-4N		1	Tubing, Coil, 1/4 OD											AL-211				
P			WI-125-2		1	Wire, Magnet											UCL-166:				
																	CL-166				

PURCHASED ITEM	MATERIAL LIST			MODEL	AT-101												PROJ. NO.	LIST NO.	NPL-AT-101										
	QUANTITY REQ.	L	P	REV	DWG SIZE	DESCRIPTION	REF	SYMBOLS	ISSUE	A	B	C	D	E	F	G	H	J	K	SHEET	13	OF	14	SHEETS					
						<u>SUPPORTING DRAWINGS</u>																							
5					1	Shoe Contact Assembly	(1) AX-234 AR-127																						
1					1	Counter, Bandswitch																		MP8202					
1					4	Coil, Contact & Insulator Assembly	c/o: L8201, p/o S8204																	A8202					
1					1	Capacitor, Variable, Vacuum, W/Shaft)																		C8201					
1					1	Rotor, Electrical Switch	(1) S8204																	A8201					
2					2	Contact, Electrical, Spring Wiper Type	(2) AC-112 AX-112																	E8201,8202					
1					1	Contact, Electrical, Button Type, Side																		E8203					
4					1	Contact, Electrical, Button Type	(4) AX-258																	E8209,10,11,12					
5					1	Contact, Electrical, Leaf & Shoe Type	(5) AR-127																	E8204,5,6,7,8					
1					1	Contact, Electrical, Button Type, w/Strap	(1) AX-258																	E8213					
1					4	Contact Assembly, Bandswitch	(1) AC-112																	A8203					

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	QUANTITY REQ.	P L	PART NO.	REV	DWG												REF	SYMBOLS			
					SIZE	DESCRIPTION	REF														
						<u>SUPPORTING DRAWINGS</u>															
	1		CA-536		8	Cable, Meter Box															
	1		CL-166 (2A-1680)		1	Coil, RF, Fixed, 35 uhy											(1) AC-112	L8202			
	1		CL-221 (8A-1890)		1	Coil R.F., Fixed, 30 uhy											AC-112	L8201			
P	1		LD-912		1	Lettering, Side Button Outside Plate											PX-525				
P	1		LD-695-1			Lettering, Counter Wheel #1											(1) AC-110				
P	1		LD-695-2			Lettering, Counter Wheel #2											(1) AC-110				
P	1		LD-695-3			Lettering, Counter Wheel #3											(1) AC-110				
P	1		LD-696		8	Engraving, Meter Panel											LD-726				
P	1		LD-700		8	Engraving, Front Panel											PX-451				
P	1		LD-723		1	Lettering, Detent Mounting Plate											MS-2063				
P	1		LD-724		4	Lettering, Meter Light Chassis, Left											MS-2124				
P	1		LD-725		4	Lettering, Meter Light Chassis, Right											MS-1553				
P	1		LD-726		8	Lettering, Meter Panel, Rear											MS-1553				
P	1		LD-806		2	Lettering, Fixed Capacitor Support											LD-696				
P	1		LD-807		2	Lettering, Contact Support Board											PX-451				
P	1		LD-808		1	Lettering, Side Bottom Inside Plate											PX-548				
P	1		LD-809		4	Lettering, Left Side Plate											PX-521, (1) AC-112				
P	1		LD-810		2	Lettering, Coil and Cap Support											PX-518				
P	1		MP-113 (2A-1625)		1	Knob, Fluted, Slip Type, W/Handle											MS-2074				
																	MS-2109				

REVISION SHEET

THE TECHNICAL MATERIEL CORP.
MAMARONECK NEW YORK

AT-101

MODEL AT-101

PROJECT NO _____

GFT-40K

DATE	REV.	PAGE	EMN#	DESCRIPTION	CHK.	APP.
5-4-60	A	7	2236	Deleted RC20GF680J, R8201		16
5-4-60	A	10	2236	Deleted one TE-156-32953, Quan. from 10 to 9.		
6-17-60		3		Added MS-202		
6-17-60		5		Added NS3W0440		
6-17-60		7		Added SM2520BN1.250		
6-17-60		8		Added FW25LRN		
6-17-60		9		Added LWE0MRN		
6-17-60		9		Added LWE25MRN		
6-17-60		10		Changed SCBS0832BN6 to SCBS0832BN5		
6-17-60		10		Added TE-104-5		
6-17-60		10		Added WA-109-55		
6-17-60		11		Added GL-103		
6-17-60		11		Added GL-104-2		
6-17-60		12		Added WI-125-2		
6-17-60		14		Added CL-166 (2A-1680)		
6-17-60		9		Added NTH2520BN14		
6-17-60		10		Added SLHC1032BN6		
8-9-60	B	6		On PX-519, PX-520-1, PX-520-2, PX-530-2, PX-520-4,		
8-9-60	B	6		Chg. Ref. from AC-112 to CL-221		
8-9-60	B	10		Added SCBS1032BN6		
8-9-60	B	10		Deleted SC- (Desc.) Setscrew, 10-32 x 3/8" Long, Brass		
8-9-60	B	12		On PX-370, add PX-370-2-7, add to desc. (-263 1D)		
8-9-60	B	12		On PX-370, add PX-370-37-7, add to desc. (3/8 1D)		
				chg. ref. from CL-221 to AC-112		
8-9-60	B	12		On TU-100, add TU-100-4N		
8-25-60	C	6		Added PO-198 & PO-199		
8-25-60	C	10		Changed SCBS0632BN5 to SCFS0632BN5		
8-25-60	C	10		Added quan. 10 to SCBS0832BN5		
8-25-60	C	10		Added quan. 1 to SLHC1032BN6		
8-25-60	C	10		Added (10-32), to SM-107-51 description		
"	C	10		" SCBS1032BN6		
9-15-60	D	4	2982	Changed MS-1984-1N to MS-1984-1		
9-15-60	D	4	2982	Changed A-1819-1 to A-1819 (Ref.)		
9-15-60	D	4	2982	Changed MS-1984-3R to MS-1984-2		
9-15-60	D	9	2982	On NT-129-832-4, chg. quan. from 14 to 17, add ref. (1) MS-1554		
9-15-60	D	9	2982	Added NT-129-632-4		
9-11	D	10	2982	Deleted SM-107-23 & 33		

VISION SHEET

THE TECHNICAL MATERIEL CORP.
MAMARONECK NEW YORK

NPL-AT-101

MODEL AT-101 PROJECT NO _____

DATE	REV.	PAGE	EMN#	DESCRIPTION	CHK.	APP.
9-15-60	D	13	2982	Changed A-1819-1 to A-1819		16
10-25-60	E	3	3256	Added KY-102-1-0.625-SS, KY-102-2-0.625-SS		
				Added KY-102-2-0.875-SS		
10-25-60	E	4	3256	On MS-2074, add ref. LD809, MS-2109, add ref. LD-810		
10-25-60	E	4	3256	Deleted MS-2197. MS-2198		
10-25-60	E	5	3256	On PM-636, chg. quan. from 5 to 7		
10-25-60	E	6	3256	On PX-518, add ref. LD-808, PX-521, add ref. LD-807		
10-25-60	E	6	3256	On PX-548, add ref. LD-806		
10-25-60	E	9	3256	On NTH2520BN14, add quan. 5		
10-25-60	E	10	3256	On SCBS1032BN6, chg. quan. from 5 to 7		
10-25-60	E	12	3256	On PX-370-2-7, add quan. 34'		
10-25-60	E	12	3256	On TU-100-4N, chg. quan. from 33' to 34'		
10-25-60	E	14	3256	Added LD-806, 807, 808, 809, 810		
12-16-60	F	3	3759	Added MS-202-1-6.00, Ref. (1) PM-622-2.		
12-16-60	F	4	3759	Added MS2495-1-1.25, Ref. (6) CL-221.		
12-16-60	F	5	3759	Chg. from PM-622 to PM-622-1; chg. quan. from 5 to 4.		
				Chg. from PM-636 to PM-680; chg. quan. from 7 to 6.		
				Added (1) PM-622-2.		
12-16-60	F	9	3759	Added (12) NTH0832BN10, Ref. (12) CL-221.		
12-16-60	F	10	3759	Added (12) SCBS0832BN8, Ref. (12) CL-221,		
				Deleted SCBS1032BN6 Ref. (7) CL-221.		
2-3-61	G	12	4073	Chg. from PX-370-2-7 to PX-370-1-7.		
			"	Chg. "ID" from-263 to .294.		
3-1-61	H	2	4314	Chg. from GR-150-1 to GR-141-1; chg. "Description" from 1½ to 1".		
			"	Chg. from GR-150-2 to GR-141-2; chg. "Description" from 1"PD to 2"PD		
3-23-61	J	10	4508	Deleted (1) SCBS1032BN14. Added (1) SCRS1024BN14.		
5-3-61	K	1	4826	Added (1) BB-125.		
5-3-61	K	2	4826	On CY-105, added sym. MP8201.		
5-3-61	K	3	4826	Chg. KY-102-1-0.625-SS to KY-103-1-0.500-SS.		
			"	Chg. (2) MP-110 to (1) MP-121-1, added (1) MP-121-2.		
5-3-61	K	5	4826	Deleted (1)PM-565, (1)PM-566, (1)PM-567.		
5-3-61	K	6	4826	Chg. PO-185-2G to PO-185-2S; chg. PO-198-30 to PO-205,		
			"	chg. PO-185-3G to PO-185-3S,		
			"	chg. PO-185-4G to PO-185-4S, deleted PX-470.		
5-3-61	K	7	4826	On SP-118-N, chg. quan. from 1 to 2,		
			"	on SP-135, chg. quan. from 1 to 2, added (1)Switch, syn. S8204.		

(Continued on next page).

