

AMPERITE Company

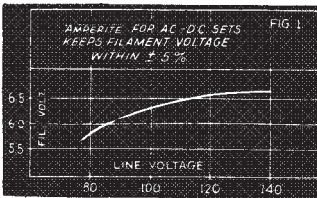
Regulator Division

110 VOLTS — A.C. SETS

AMPERITE IS A REAL REGULATOR. ITS RESISTANCE AUTOMATICALLY VARIES TO COMPENSATE FOR SUPPLY VOLTAGE VARIATIONS. IT SHOULD NOT BE CONFUSED WITH ORDINARY RESISTORS.

FOR 110V AC-SETS -- THE PROPER AMPERITE IS DETERMINED BY THE LINE-CURRENT. A SET DRAWING 0.5A REQUIRES AMPERITE 5-A-5, 0.7A AMPERITE 7-A-5, 1.2A AMPERITE 12-A-5, ETC. DEPENDING UPON THE LINE VOLTAGE THE VOLTAGE DROP ACROSS AN AMPERITE OF -A-5 SERIES WILL VARY FROM 8 TO 30 VOLTS AND WILL CONTROL LINE VOLTAGES OF 100 TO 135 VOLTS.

The line current drain of most 110 volt AC sets (except those using 50 tubes) averages approximately 0.1 amp. per tube. A 7 tube set draws 0.7a (use Amperite 7-A-5),



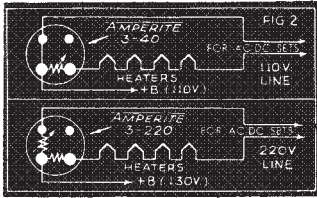
HOW TO DETERMINE PROPER AMPERITE FOR A.C. SETS

Line Voltage	110 V	220 V
No. of Tubes in Set	Use Amperite No.	Use Amperite No.
4 or 5	5-A-5	24-5
6 or 7	7-A-5	34-5
8, 9 or 10	9-A-5	44-5

220V AC SETS -- HAVE 1/2 THE CURRENT DRAIN OF 110V AC SETS. FOR PROPER AMPERITE SEE CHART FIG. 4.

AC-DC SETS

FOR AC-DC SETS - 110V LINE - THE AMPERITE REGULATORS ARE DESIGNED TO PASS ONLY 0.3A THROUGH TUBE FILAMENTS. BECAUSE AMPERITE IS A REAL REGULATOR, SETS HAVING A TOTAL FILAMENT VOLTAGE OF 50-75V CAN BE CONTROLLED WITH THE SAME REGULATOR. FILAMENT VOLTAGES WILL BE KEPT WITHIN ± 5% WITH LINE VARIATIONS OF 85-TO-140V. FIG. 1.



None, 1 or 2 of either 0.150a or 0.250a pilot lights can be used with the same Amperite. Should any of the pilot lights burn out, the set will continue to operate properly without any damage to the Amperite, tubes or other parts.

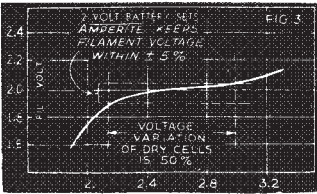
DUE TO THE FACT THAT AMPERITE IS A REAL REGULATOR, 2 TYPES OF AMPERITE WITH 4 PRONGS AND 2 WITH OCTAL BASES WILL REPLACE THE 60 TYPES-OF SO CALLED BALLASTS OR RESISTORS USED IN AC-DC SETS. SEE CHART OPPOSITE, NO EXTRA RESISTORS ARE REQUIRED.

THE PATENTED STARTING RESISTOR IN THE AMPERITE PREVENTS OVERLOADING AND PREMATURE BURNING OUT OF TUBES AND PILOT LIGHTS.

FOR AC-DC 220V LINE -- BY WIRING THE AMPERITE SOCKET AS SHOWN IN FIG. 2 THE SET IS IMMEDIATELY ADAPTABLE TO EITHER A 110 OR 220V LINE. AMPERITE 3-40 IS PLUGGED IN FOR 110V -- AMPERITE 3-220 FOR 220V. AMPERITE 3-40 WILL CONTROL LINE VOLTAGES OF 85 TO 140V. AMPERITE 3-220 -- VOLTAGES OF 180 TO 260V. ANOTHER ADDED FEATURE -- AMPERITE 3-220 WILL SUPPLY CONSTANT PLATE VOLTAGE OF 130V.

2 VOLT BATTERY SETS

FOR 2V. BATTERY SETS -- DRY CELL OPERATION DEMANDS CURRENT DRAIN. FILAMENTS WITH VERY SMALL DIAMETERS - .001" MUST BE USED. SUCH FILAMENTS ARE DELICATE AND EASILY OVERLOADED. KEEPING THE TUBE FILAMENTS AT THEIR PROPER VOLTAGE WITH A REAL REGULATOR LIKE AMPERITE INVARIABLY RESULTS IN CONSIDERABLY MORE BATTERY AND TUBE LIFE. THE SAME AMPERITE CAN BE USED FOR DRY CELL, AIR CELL OR 2V STORAGE BATTERY.



BULLETIN AD-72

AMPERITE REGULATORS

DATE OF ISSUE 2/1/37

AMPERITES — 110 VOLTS — A.C. SETS LIST \$1.25

BRUNSWICK 14,21,31	9-20 MAJESTIC 90,91,92	90
BREM. TULLY 581,582	9-20 PEERLESS 21-TO 25	11-20
G.E. B-86	3-16 RCA 876 \$2.50 NET	876
HAMM. ROBERTS HI Q31	10-10 RCA R-223	5-16
HAMM. ROBERTS HI Q30	11-20 SCOTT RAIDER	12-20
KYLECTROL K71,K72	11-20 VICTOR R32, 52	10V10
MAJESTIC 70,71,72	70 VICTOR R35, 39	9V10

10-610

REPLACEMENT REGULATORS FOR A.C. - D.C. Sets. LIST \$1.00

AMPERITE NO.	AMPERITE NUMBERS SHOWN REPLACE ALL AC-DC BALLASTS		
	STARTING WITH LETTER-	WITH NUMBERS FROM	ENDING IN
KL-45	K, L, M, OR BK	36 TO 67	A, B, C, OR D
KL-25	"	10 TO 36	"
KL-75	"	67 TO 105	"
KL-25H	"	11 TO 26	F, G, OR H
KL50H	"	36 TO 67	"
KL-75H	"	67 TO 105	"

AMPERITE KL-45 OCTAL BASE

WILL REPLACE ALL AC-DC BALLASTS STARTING WITH THE LETTER K, L, M OR BK WITH NUMBERS 36 TO 67 AND ENDING IN A, B, C, OR D WILL ALSO REPLACE

K36A	K42A	K49A	K55A	K61A	2UR215
K36B	K42B	K49B	K55B	K61B	2UR224
K36C	K42C	K49C	K55C	K61C	2CR241
K36D	K42D	K49D	K55D	K61D	3CR241
L36B	L42B	L49B	L55B	K67A	8598
L36C	L42C	L49C	L55C	K67B	
L36D	L42D	L49D	L55D	K67C	
				K67D	

AMPERITE 4P-45 4-PRONG BASE WILL REPLACE

140R4	165R8	185R4	KX42B	KX49B	KX55A
140R8	165R4	185R8	KX42C	KX49C	KX55B
140R4	165L4	185R4	KX42D	KX49D	KX55C
140L4	165L8	185L4	LX42B	LX49B	KX55D
140L8	165L4	185L8	LX42C	LX49C	LX55B
140L4	40A2	185L4	LX42D	LX49D	LX55C
50X3T	40B2				LX55D

AMPERITE 50-AB OCTAL BASE - WILL REPLACE

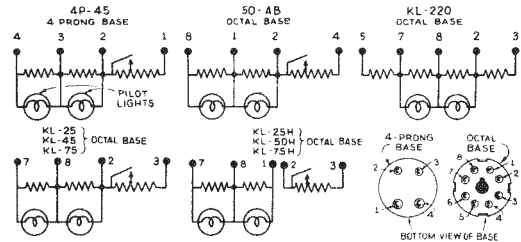
24B2	42A1	49A1	55A1
2LR212	42A2	49A2	55A2
		49B2	55B2

AMPERITE 3-40 4-PRONG BASE - WILL REPLACE

5B	50X3	165R	KX42A	KX55A
50	140R	185R	KX49A	

SPECIAL AC-DC BALLASTS REPLACEABLE BY SAME AMPERITE NUMBER

6B	50A2	3ER-248	878R48
	50B2	60R-306	165R4



AMPERITES — BATTERY SETS LIST \$1.25

1A1	(1E1, 5E1, 6AA, 5-1, LLL25)*
1K1	(5H1, 10AB, 1V1)*
1E1	(5E1, 6AA)*
1V1	(5H1, 10AB)*
1B1	(3H1)*
1F1	(7-1)*
1L1	1Q1 1T1 1E2
1C1	(7H1)*
1G1	(4-1)*
1N1	1R1 1U1 1A2
1D1	(2H1)*
1J1	(8-1)*
1P1	1S1 1D2 1B2
	1C2

* Either number can be used for replacement