

CLAROSTAT *Mfg. Co., Inc.*



DOVER, NEW HAMPSHIRE

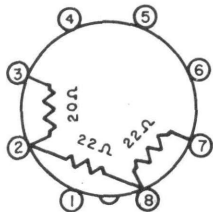
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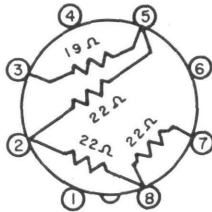
UNIVERSAL METAL-TUBE RESISTORS

TUBE-TYPE RESISTORS (UNIVERSAL BALLAST)

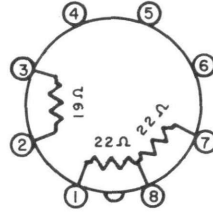
REPLACES AC-DC TUBES BEGINING WITH LETTERS
BK, BL, K, L, M



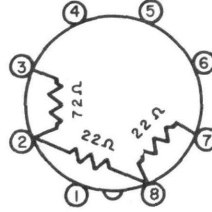
10-23-A
NUMBERS FROM 10-23
ENDING IN LETTER A,B,C,D



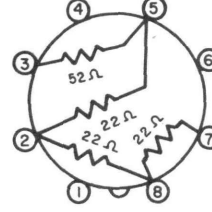
10-23-E
NUMBERS FROM 10-23
ENDING IN LETTER E



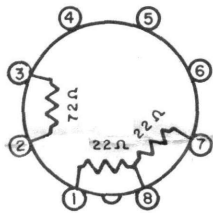
10-23-F
NUMBERS FROM 10-23
ENDING IN LETTER F,G,H



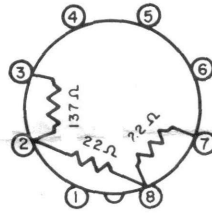
23-55-A
NUMBERS FROM 23-55
ENDING IN LETTER A,B,C,D



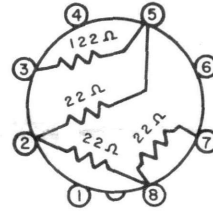
23-55-E
NUMBERS FROM 23-55
ENDING IN LETTER E



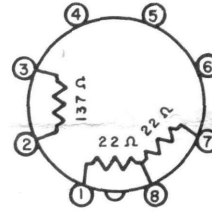
23-55-F
NUMBERS FROM 23-55
ENDING IN LETTER F,G,H



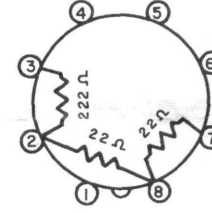
60-92-A
NUMBERS FROM 60-92
ENDING IN LETTER A,B,C,D



60-92-E
NUMBERS FROM 60-92
ENDING IN LETTER E



60-92-F
NUMBERS FROM 60-92
ENDING IN LETTER F,G,H



92-105-A
NUMBERS FROM 92-105
ENDING IN LETTER A,B,C,D

USE CAUTION WHEN MAKING UNIVERSAL TUBE-TYPE RESISTOR REPLACEMENTS.

In order to save the added cost of terminal strips, some manufacturers of ac-dc sets use the extra socket connections of the resistor tube for tie-in posts. These tie-ins, in most instances, carry B-plus voltage. This practice has resulted in much grief by way of quick burnouts of tube-type resistors, and even serious damage to the set itself.

Therefore, the socket connections should be checked before inserting a universal type resistor tube. If only three prongs are needed, cut off the extra prongs so as to avoid any danger of having one of these extra prongs make contact with any high-voltage source that might burn out the tube.

Specifically: Take the 10-23-A for instance. It comes with connections at prongs 7, 8, 2 and 3. Should there be any connection at the socket for any other voltage than the line voltage, be sure to cut off the extra prongs. For example in replacing a K-55-B with a 23-55-A Universal tube the K-55-B uses prongs 7, 8, and 3 for the necessary drop, while the 23-55-A has a connection at No. 2 prong also, therefore, cut off this

No. 2 prong to be safe, for under the chassis the set manufacturer may have used socket connection No. 2 for tying in some source of high-voltage.

The Universal Resistor Tube will operate any ac-dc set within the voltage ranges specified on the tube, regardless of what pilot current is drawn or any pilot lamp combination.

The tube will operate regardless of pilot lamp or lamps burning out, operating well within the .3 ampere range required for the filaments of the tubes. Should pilot lamps burn out, the current will still be within the range for efficient operation of tubes.

Regardless of line voltage variation, the tube will operate efficiently.

When replacing such numbers as L-42-CJ, L-49-BJ, L-49-DJ, use jumper between prongs 3 and 4. When replacing any special tubes, use only the number specified on original tube; for example an L-49-S2 is replaceable by that number only.