

Model 240C

Power Resistor Decade Box



Model 240C Decade Box Electrical Specifications

Resistance Range

1 Ω to 999,999 Ω in 1 Ω increments; no open circuit between steps. Six dials, respectively X-1, X-10, X-100, X-1K, X-10K and X-100K, total up any ohmage within range. Positive detent action clicks in and holds each knob at the selected setting.

Resistance Tolerance

Decade No.1: $\pm 5\%$
Decade No.2: $\pm 2\%$
Decade No.3: $\pm 2\%$
Decade No.4: $\pm 2\%$
Decade No.5: $\pm 2\%$
Decade No.6: $\pm 2\%$

Power Rating

Dissipates up to 225 watts maximum or 1000 volts DC, or 660 volts AC, maximum per decade. Grilled bottom, plus louvered sides and top provide adequate ventilation. Glass insulated wire withstands elevated temperatures. Baffle plate protects the switch assembly from heat.

Maximum Current Ratings

Decade No.1: 5.0 amp
Decade No.2: 1.5 amp
Decade No.3: 0.5 amp
Decade No.4: 0.15 amp
Decade No.5: 0.05 amp
Decade No.6: 0.005 amp

Resistance Elements

Clarostat Power Resistors are used throughout. These components are wire-wound power resistors on ceramic tubes and vitreous coated, providing the most rugged, long-lasting, trouble-free power resistor available. The resistors are mounted in rigid metal supports.

Description

The 240C is a must in electronic and electrical work when dealing with known or unknown resistances...selected or determined under active operational conditions.

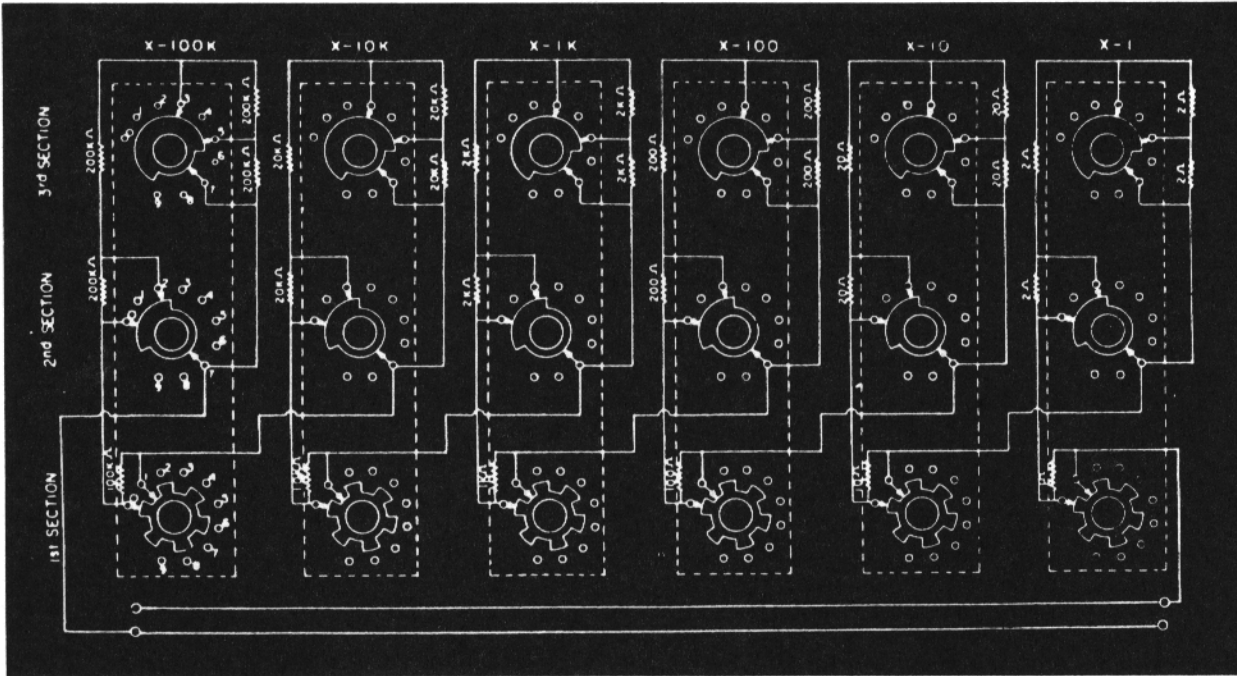
The Power Resistor Decade Box provides a power resistor for any required ohmage from 1 to 999,999 ohms in 1 ohm increments. The ohmage is selected or determined by six front panel dials, and the value is read directly—in sequence—from the dials, thereby simplifying the selection of known or unknown resistances for use in working circuits.

Bench-top design, Model 240C has been standard equipment in laboratories, engineering departments, plants, for maintenance and service personnel, schools and other users requiring accurate resistance determination under load conditions.

Features

- Provides any ohmage value, in 1-ohm increments, from 1 to 999,999 ohms.
- Determines known or unknown resistance values by simply dialing.
- Power ratings to 225 watts maximum at 1000 volts maximum.
- Six decades for quick setting and direct readout.
- Used in actual circuits and under "live" conditions.
- Two sets of terminals taking banana-plug, spade-lug or plain wire connections.

Figure 1
Model 240C



Model 240C Repair Parts List

Part No.	Description
01206301	Mounting Bracket
01209701	Dial Panel
01266401	Binding Post (Red)
01266402	Binding Post (Black)
01270601	10-Position Rotary Switch
01522401	Decade Box Chassis
01522501	Decade Box Cover
01615101	Pointer Knob
25238201	Resistor Bank Assembly (Range 1)
25238202	Resistor Bank Assembly (Range 2)
25238203	Resistor Bank Assembly (Range 3)
25238204	Resistor Bank Assembly (Range 4)
25238205	Resistor Bank Assembly (Range 5)
25238206	Resistor Bank Assembly (Range 6)

Model 240C How To Order

240C = Part Number

Notes:

Switch rotor shown in extreme counter-clockwise position for zero resistance.
2nd & 3rd section rotors break contact before 1st section rotors makes its contact.
Contact Factory for pricing and delivery of repair parts.