

HEAVY DUTY WIRE WOUND RHEOSTATE

HIGH POWER /INDUCTIVE & NON-INDUCTIVE

Applications:

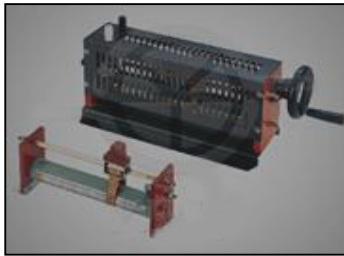
Automobile, D.C. /A.C. drives, control engineering, avionics, instrumentation, heavy industrial applications
Power Switchgear/protection, Slip ring motor starting, nuclear, solid state physical application, X-ray,
Power supplies Nuclear/power plant/heavy electrical and mechanical engineering, packaging,
Special performance sensor actuators for linear/rotary motion control, generation//transmission/distribution.

Introduction:

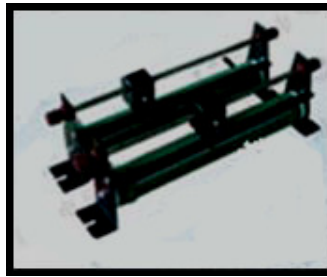
MWWR series of power rheostate are silicon coated/vitrious wire wound resistance are improved version of mangnin/eureka/other precision alloy ensuring better thermal stability over wide power range. Variable resistance in manual/auto mode is achieved by a rider with high melting pint/corrosion resistance(climatic/electrochemically) moving linearly over rheostate. These rheostate are coated with special siloxane coating/ceramic coating to ensure high dielectric strength of wiring. In some cases these resistance may be offered coating withstanding higher temperature range. End terminal are either tin coated brass or copper metal. Tailor-made resistances are always encouraged.

Benefits:

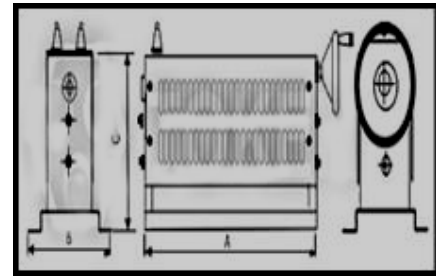
High flash temperature / Better temperature operating range.
Easy installation, Non abrasive/ chemically compatible.
Stable power dissipation over specified working ranging.
High energy density/thermal stability /dielectric strength coating.
Moisture resistance
Vibration /shock resistance



Low Power Manual Rheostate



High Power Manual Rheostate



Tentative Drawing

Electrical/Mechanical specifications:

Power: 200 to 10000 Watts

Model	Power Watt	Length m.m.	O.D. m.m.	I.D. m.m..	L _{total} m.m. A	W _{total} m.m. B	W _{lead} m.m.	T _{lead} m.m	R _{min} ohm	R _{max} ohm
MWWRH-002	0200	200	40	20	300	060	8-15	0.8-2.0	00.5	100
MWWRH-005	0500	300	50	22	450	070	8-15	0.8-2.0	00.5	100
MWWRH-010	1000	500	50	22	750	070	8-15	0.8-2.0	00.5	100
MWWRH-015	1500	650	40	20	900	060	8-15	0.8-2.0	00.5	100
MWWRH-020	2000	650	50	22	950	090	8-15	0.8-2.0	00.5	150
MWWRH-025	2500	750	70	30	1300	090	8-15	0.8-2.0	00.5	150
MWWRH-030	3000	750	78	30	1300	098	8-15	0.8-2.0	00.5	200
MWWRH-050	5000	750	85	36	1300	105	8-15	0.8-2.0	00.5	200
MWWRH-075	7500	900	78	30	1350	098	8-15	0.8-2.0	00.5	300
MWWRH-099	9999	900	85	36	1350	105	8-15	0.8-2.0	00.5	300

General Electrical/Mechanical Technical Specification:

Resistance Range: 0.0-1000 ohm
Resistance tolerance: R ±3, 5%(J) ±10%(K)
Terminal: tin coated copper/brass
Coating: siloxane modified polymer(glazed/non-glazed)
Temperature coefficient (-55°C-155°C): ±350PPM/□ Max
Short-term over load :1000%rated power 5s
Rated Load Rated wattage 30 min: □R≤±(2%+0.05Ω)
Insulation Resistance: over 1000MΩ
Moisture Resistance: 10000hr □R≤±(2%R0+0.05Ω)
Load Life 40 °C 95%RHon ~ off cycle 1000 hrs.
No flammability (500%, 1000%, 1600%); not flamed
Terminal tensile strength: 22.2N for 5w-25w, 44.4N for all other
Dielectric resistance of coating: 500 volt/1000 volt/3000 volt



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