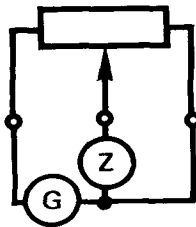


Rheostat mode



Potentiometer mode

The performance of RT-RTE rheostats exceeds the requirements of specification CCTU 05-03B.

They have been designed for heavy duty applications such as repeated overloads, transients, shocks and vibrations conditions.

RT VITREOUS SERIES

Six sizes are available capable of dissipating 12, 25, 55, 100, 250 or 500 watts at 25°C.

The resistive wire is protected by a proprietary SFERNICE enamel fired at high temperature and free from any compound that could cause corrosion of the wire. The maximum operating temperature of the RT series is 320°C.

RTE LACQUERED SERIES

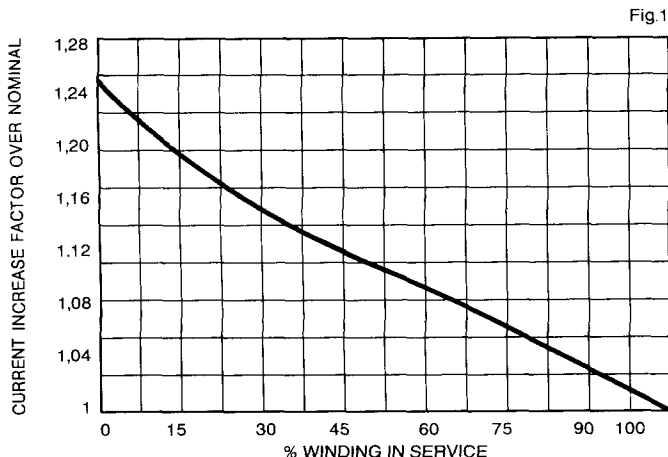
The RTE series covers high ohmic values but with a maximum operating temperature of 220°C. The RTE versions have reduced power ratings except the RTE 12 series.

GANGED UNITS

Ganged units are available with different combinations of power and ohmic values. (see data-sheet $\frac{1}{517}$).

GRADED WINDINGS

These are recommended when the ratio $\frac{I_{max.}}{I_{min.}} < 2$



MAXIMUM OVERLOADING

In rheostat use, the winding current decreases in relation to the number of turns being used.

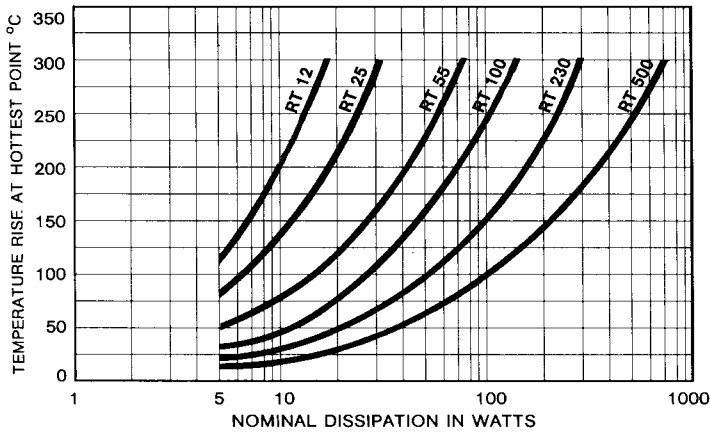
When a part of the winding is used the current can be increased in accordance with fig. 1.

Substantially heavy overloads can be applied in short impulses and we would be pleased to advise on this type of application, on receipt of the following information:

- proposed rheostat usage
- current level
- operating cycles specifying duration of overload "ON", "OFF" periods.

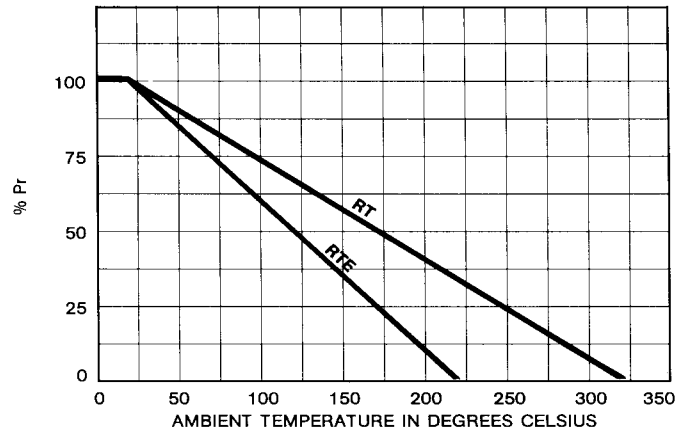
TEMPERATURE RISE

Fig. 2



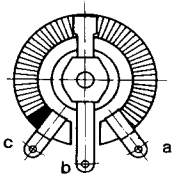
POWER RATING CHART

Fig. 3

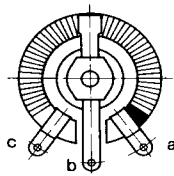


SPECIAL FEATURES

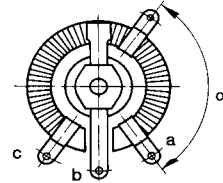
OFF POSITION LEFT
Code No.: 213700



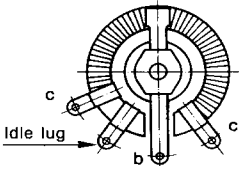
OFF POSITION RIGHT
Code No.: 213600



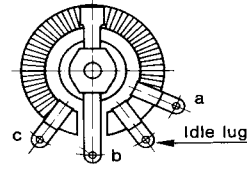
FIXED TAPPINGS, ONE OR MORE
Code No.: RTP
not available for RT12 and RT500



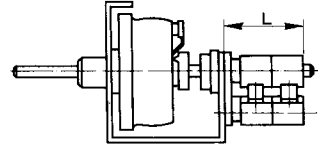
IDLE LUG LEFT
Code No.: DB1
Not available for RT12 and RT500



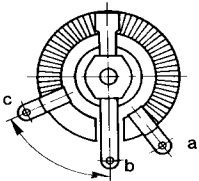
IDLE LUG RIGHT
Code No.: DB2
Not available for RT12 and RT500



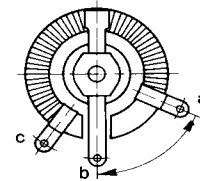
DOUBLE MINI SWITCH
not available for RT12



REDUCED LEFT TRAVEL
Not available for RT12 and RT500



REDUCED RIGHT TRAVEL
Not available for RT12 and RT500



Other special features are available.
Please consult SFERNICE for all of your rheostat requirements.
All the positionings are defined when the shaft end is viewed (on the contrary of the hereabove windings), clockwise detent

Table 1

Double mini switch for series and size	Code	L mm
RT25	219410	29
RT55	219430	33
RT100	219450	33
RT230	219470	35
RT500	219480	35

ORDERING PROCEDURE

	SERIES	STYLE	SHAFT LOCKING DEVICE	VARIATION LAW	SPECIAL DESIGN	WINDING	COMMAND SHAFT	OHMIC VALUE	TOLERANCE
Vitreous	RT	230		A			AS	10 kΩ	±10%
Lacquered	RTE		Optional		Method N° Optional	Optional	If special, please supply a drawing		

OPTION

ACCESSORIES	60JF	CG115	DB1
MODEL	KNOB	DIAL	SPECIAL FEATURES IDLE LUG LEFT