

NARROW PANEL TYPE **RatioTran*** NORMAL AND HEAVY DUTY SWITCHES MODELS RT-10R, RT-11R, RT-12R AND RT-13R

The RatioTran* Model RT-10R is a precision AC voltage divider designed for minimum panel space of only 3½ in. height. Input and output connections are on both front and rear. It features an easy readout system and employs three decades and a ten-turn potentiometer. The chassis has removable dust cover. Normal duty switches.

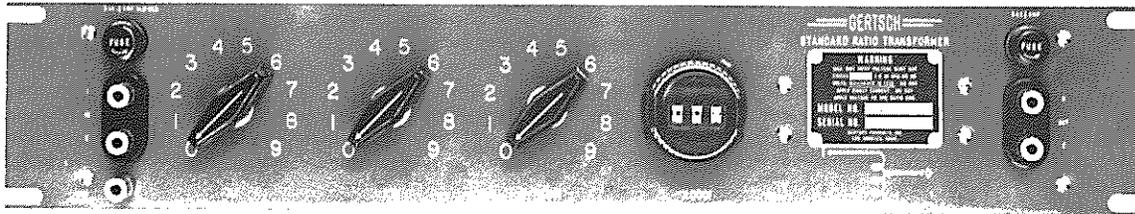
The RatioTran* Models RT-11R, RT-12R and RT-13R are precision AC voltage dividers. Designed for minimum panel space (3½ in. high). Input and output connections are on both front

and rear. They feature an easy, improved bold readout system. The chassis have a removable dust cover.

The Model RT-11R features "HEAVY DUTY" switches, five decades and a single turn potentiometer.

The Model RT-12R is identical to the Model RT-11R, except for glass epon switch insulation, and the coils potted in epoxy resin, for military applications.

The Model RT-13R is identical with the Model RT-11R except for the omission of the one turn potentiometer, providing five rotary switches with minimum series impedance.



Shown above is a typical Rack Panel covering these units. Available only in Rack Mounting.

SPECIFICATIONS	RT-10R	RT-11R, 12R	RT-13R
DESIGN CHARACTERISTICS	Continuously variable output,	Continuously variable output, high accuracy, heavy duty	Five decades, No Pot. for Low Voltage Wide Frequency Range use
SWITCH TYPE	Rotary (normal duty)	Rotary (heavy duty)	Rotary (heavy duty)
RECOMMENDED FREQUENCY RANGE	50 — 10,000 cps.	50 — 10,000 cps.	50 — 10,000 cps.
MAX. INPUT VOLTAGE (ERMS)	.35f (f in cps), max. 350V above 1000 cps.	.35f (f in cps), max 350V above 1000 cps.	.35f (f in cps), max. 350V above 1000 cps.
RESOLUTION	Continuous	Continuous	.001% steps
ACCURACY OF INDICATED RATIO (low frequency range)	$\pm (.001\% + \frac{.0006\%}{R})$ 50 — 3000 cps.	$\pm (.001\% + \frac{.0001\%}{R})$ 50 — 3000 cps.	$\pm (.001\% + \frac{.0001\%}{R})$ 50 — 3000 cps.
ACCURACY OF INDICATED RATIO (3000 — 10,000 cps)	$\pm (.01\% + \frac{.0006\%}{R})$	$\pm (.01\% + \frac{.0001\%}{R})$	$\pm (.01\% + \frac{.0001\%}{R})$
TERMINAL LINEARITY	.001%	.001%	.001%
MAX. EFFECTIVE SERIES IMPEDANCE	Rs — 12 ohms Ls — 75 uh.	Rs — 3 Ohms Ls — 75 uh.	Rs — 2 ohms Ls — 75 uh.
APPROX. INPUT INDUCTANCE	150 henries	150 henries	150 henries
PHASE ANGLE UNLOADED	Dependent on frequency and ratio setting, but very small		
DIMENSIONS	Rack panel, 3-1/2" high 19" long 4-1/4" deep	Rack panel, 3-1/2" high 19" long 7-1/4" deep	Rack panel, 3-1/2" high 19" long 7-1/4" deep
CONNECTIONS	Input and output connections both front and rear	Input and output connections both front and rear	Input and output connections both front and rear
SHIPPING WEIGHT	13 lbs. approx.	17 lbs. approx.	17 lbs. approx.

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