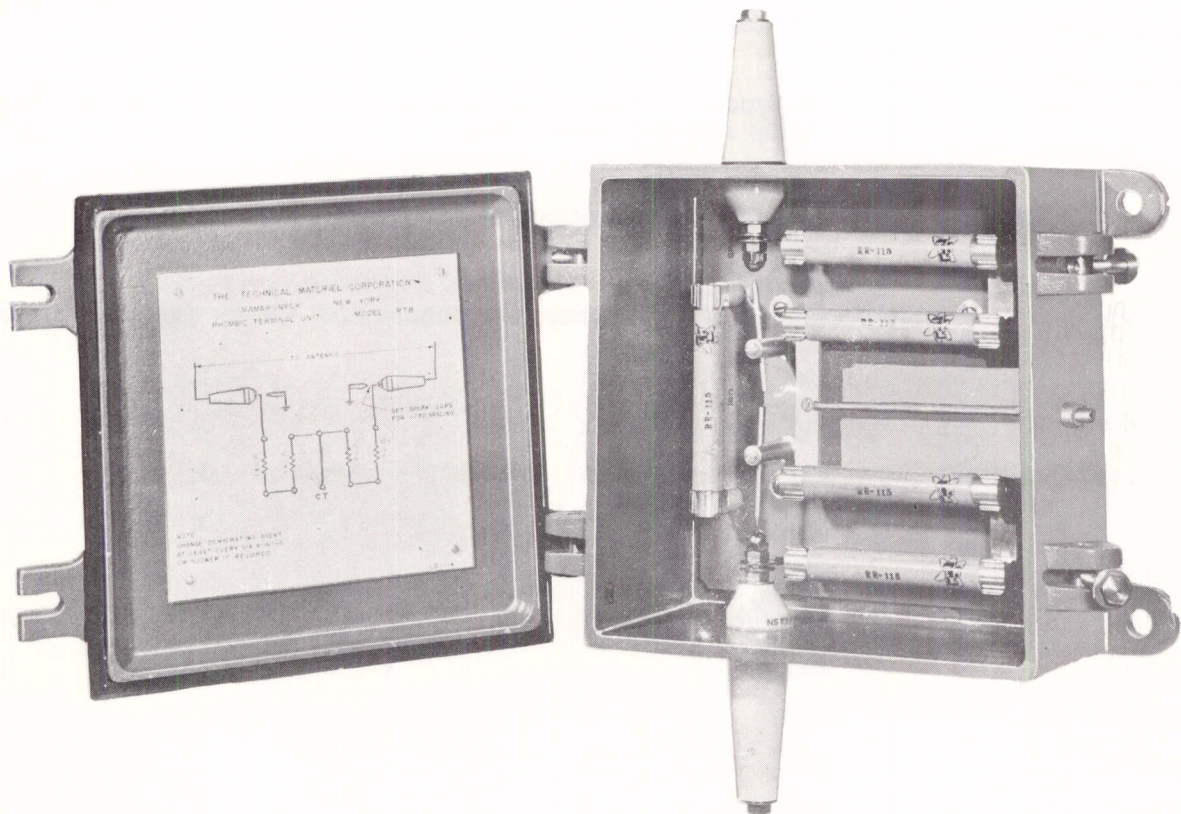




RHOMBIC TERMINATING UNIT Model RTB

TECHNICAL BULLETIN 204-4317

- DC to 30MHz
- Lightning Protection
- Rugged Weatherproof Case



The Model RTB Rhombic Terminal Units contain rugged and stable resistive terminations for rhombic and sloping Vee antennas to increase their efficiency. They complement TMC's balanced to unbalanced receiving antenna couplers that are described in Technical Bulletin 204-4513.

Each model RTB contain non-inductive resistors mounted in weatherproof cast aluminum cases that feature an internal spark gap for protection against lightning and static charges. The resistors are plug-in Ferrule type, for ease of replacement, and a spare resistor is provided within the case. Uniform antenna characteristics are easier to maintain when Models RTB are used as the termination resistor due to freedom from rain, dust, snow, and soot accumulation. This latter factor also minimizes antenna maintenance problems.

A complete set of hardware is provided to mount Model RTBs on a pole or other vertical surfaces.

THE TECHNICAL MATERIEL CORPORATION

TECHNICAL SPECIFICATIONS

Termination Resistance:	As indicated in Chart "A".
Equipment Case:	Weatherproof, cast aluminum alloy.
Input Terminals:	Two ceramic insulators properly spaced to accommodate a rhombic antenna or one ceramic insulator for a sloping Vee antenna.
Ground Connection:	A ground connection is provided on the bottom of the case.
Mounting:	Pole mounting by means of four heavy cast mounting flanges. Four 1/2" dia. holes on 7-3/4" x 10-1/4" mounting centers.
Dimensions:	9" x 9" x 5".
Weight:	18 lbs.
Shipping Weight:	35 lbs.
Components and Construction:	All equipment is manufactured in accordance with JAN/MIL specifications wherever practicable.

CHART "A" — MODELS AVAILABLE

Models	Terminating Resistance (ohms)	Balanced	Unbalanced	Center Tapped	Grounded
RTB-1	700	X		X	
RTB-3	280	X		X	X
RTB-4	700	X		X	X
RTB-5	600	X		X	X
RTB-6	500		X		
RTB-9	650	X		X	X
RTB-10	400		X		X
RTB-11	650	X		X	X
RTB-12	425	X			
RTB-13	400	X		X	

NOTE: RTB-11 is grounded through 280 ohms.

Specifications Are Subject to Change Without Notice.

THE TECHNICAL MATERIEL CORPORATION

700 FENIMORE ROAD, MAMARONECK, NEW YORK 10543 U.S.A.

CABLE: TEPEI

TEL.: 914-698-4800

TWX: 710-566-1100

TLX: 137-358

TMC (CANADA) LIMITED

TMC INTERNATIONAL

RR NO. 5, OTTAWA, K1G 3N3, ONTARIO, CANADA

TEL.: 613-521-2050

TLX: 053-4146