

SALES SERVICE BULLETIN NUMBER 183

Remote Control Amplifier, Model RTC



The TMC Model RTC, Remote Control Amplifier is a multi-purpose unit providing high level audio amplification, selectable peak clipping and tone output for MCW. The unit also makes possible remote keying, break-in and other semi-remote transmitter control functions.

The RTC was designed primarily for use with the TMC Model GPT-750 Transmitter but may be used with many other equipments.

The peak clipping feature may be switched into operation by means of a front panel switch. The clipping characteristic is continuously adjustable 0-20 db, and high and low pass filters are provided.

TECHNICAL SPECIFICATIONS

OUTPUT LEVEL:	0 Volts up to +6 dbm, continuously variable.
OUTPUT IMPEDANCE:	600 ohms balanced or unbalanced to ground.
INPUT LEVEL:	-50 db for full output.
INPUT IMPEDANCE:	.5 megohm.
FREQUENCY RESPONSE:	±2 db from 100 to 7500 cps (when clipper is not being used).
DISTORTION:	Less than 2% total harmonic (when clipper is not being used).

CLIPPING CHARACTERISTIC: 0-20 db continuously adjustable.

CLIPPER FILTER: High pass filter at low level end - 200 cps cutoff.
Low pass filter at high level end - 3000 cps cutoff.

MCW OUTPUT: Three selectable tones- 500, 1000, 1500 cps.

MCW KEYING: Electronic- contacts or D. C. to ground.

MCW KEYING SPEED: 100 WPM maximum for highest tone frequency;
proportionately slower speeds where lower tone frequencies are used.

SIDETONE OUTPUT: Three selectable tones- 500, 1000, 1500 cps de-
rived from MCW oscillator.

RECEIVER MUTING: Relay contacts provided.

PANEL CONTROLS: Primary Power Switch.
Standby-Operate Switch.
Clipper In- clipper Out Switch.
Output Control.
MCW Tone Selector.
Key Jack.
Microphone Input with Push-to-talk Feature.
Pilot Light.
Headphones Output.

CONNECTION TO TRANSMITTER:

- Two wires for audio (one wire, if unbalanced).
- One wire for Standby- Operate plate relay.
- One wire for Keying line.
- One wire for ground.

ACCESSARIES PROVIDED:

- Cable, interconnect, RTC to GPT-750, TMC Part No. CA-274-(*)
*Length in feet required.
- Plug, microphone, TMC Part No. PL-132-2

POWER REQUIREMENT: 110/220V. $\pm 10\%$, 50/60 cps, 50 watts.

WEIGHT: 35 pounds net, 84 pounds packed for shipment.

SIZE: Cabinet mounted - 10" x 15" x 20".
Shipping Dimensions - 16" x 20 $\frac{1}{2}$ " x 26".

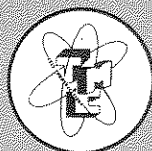
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700 FENIMORE ROAD

MAMARONECK, NEW YORK

CABLE
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COMMUNICATION ENGINEERS

IN CANADA:
TMC (CANADA) LTD.
OTTAWA, ONTARIO