

DATE 8/10/55  
SH. 1 OF 3

TMC SPECIFICATION NO. S- 268

COMPILED BY  
A.J.J.

TITLE: TECHNICAL SPECIFICATIONS \*\* MODEL RTC

JOB

APPROVED A.J.J.

TECHNICAL SPECIFICATIONS  
MODEL RTC REMOTE CONTROL AMPLIFIER  
FOR USE WITH  
MODEL GPT - 750 TRANSMITTER

DATE 8/10/55  
SH. 2 OF 3  
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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: 100,000 ohms.

Frequency Response:  $\pm 2$  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: Better than 15 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: 75 WPM maximum for highest tone frequency;  
proportionately slower speeds where  
lower tone frequencies are used.

Sidetone Output: Three selectable tones- 500, 1000, 1500 cps  
derived from MCW oscillator.

Power Requirement: 115V.  $\pm 10\%$ , 50/60 cps., 50 watts.

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.

Weight: 35 pounds Net.

Size: Cabinet contained - 10h x 15d x 20w.

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Connection to the transmitter requires a four or five wire line to perform the following functions:

- a. Two wires for audio (one wire, if unbalanced).
- b. One wire for Standby - Operate plate relay.
- c. One wire for keying line.
- d. One wire for ground.