

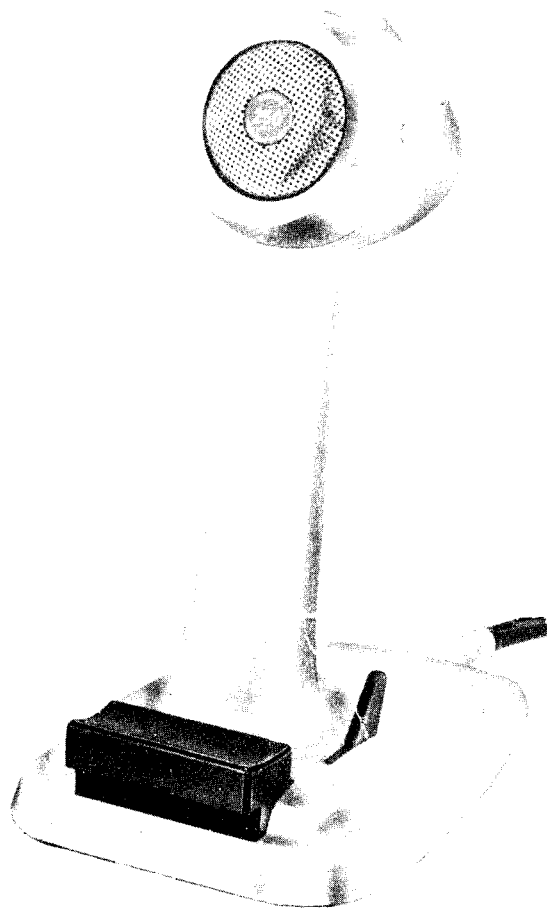
250 Series

microphone specifications

turner 250 Series

s p e c i f i c a t i o n s

Figure 1
Model 250 Microphone



SPECIFICATIONS:

	250	251	252	253	254C	254X	255	256
TYPE	Dynamic	Dynamic	Dynamic	Dynamic	Ceramic	Crystal	Crystal	Crystal
IMPEDANCE	Hi	150	Hi	150	Hi	Hi	Hi	Hi
RESPONSE		60-10,000 cps.			80-7,000 cps.		60-8,000 cps.	
OUTPUT LEVEL REF. 1 VOLT PER MICRO BAR	—52	—52	—52	—52	—54	—48	—48	—50
			Per Hi Z			Per Hi Z		
CABLE	20'	20'	7'	7'	7'	7'	7'	20'
CASE	All Models: Die Cast Zinc Alloy							
FINISH	Chrome	Chrome	Painted	Painted	Painted	Painted	Painted	Chrome
DIMENSIONS	(All) See Figure 2							
WEIGHT	3 lbs.	3 lbs.	3 lbs.	3 lbs.	2½ lbs.	2½ lbs.	2½ lbs.	2½ lbs.
POLAR PATTERN	(All) Omni Directional							
SWITCHES AND WIRING, SEE FIG.	3	4	5	6	7	7	8	9

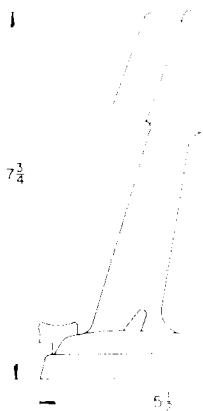


Figure 2



the TURNER company
Cedar Rapids, Iowa, U. S. A.

Figure 3

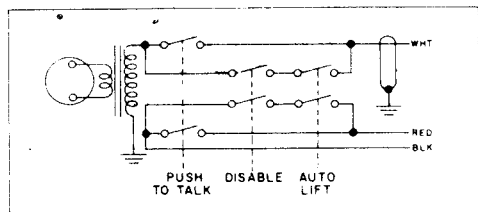


Figure 4

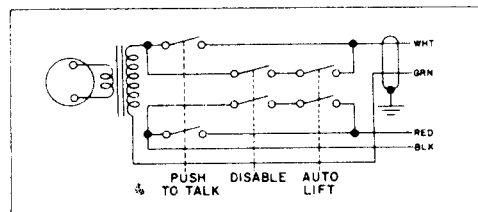


Figure 5

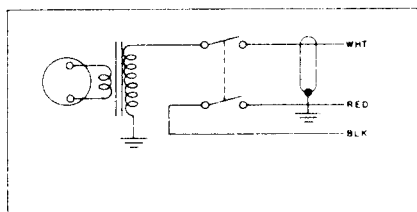


Figure 6

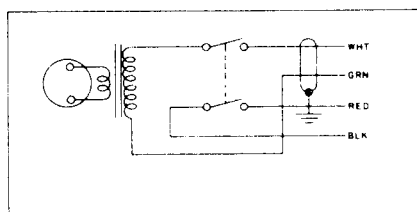


Figure 7

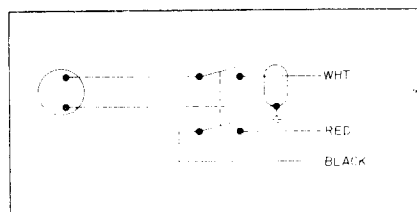


Figure 8

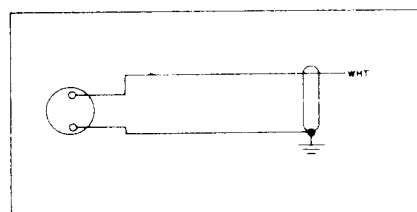
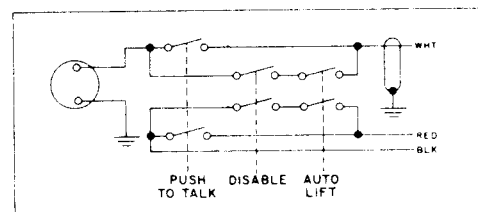


Figure 9



TURNER model 250 Series microphone specification

RELAY OPERATION:

All models except model 255 come with either three conductor (one shielded) or four conductor (two shielded) cable to allow the installer to wire for external relay operation. See figures 3 through 9.

CAUTION:

The amplifier chassis and other associated equipment should be connected to an earthen ground to avoid shock hazard during operation of the system.

ARCHITECT-ENGINEERS SPECIFICATIONS:

The microphone shall be a pressure operated dynamic, Turner Model 250 (251*) or equivalent. Frequency response shall be uniform from 60-10,000 c.p.s. (60-13,000 c.p.s.) and shall be substantially independent of direction to the source of sound. Sensitivity shall be -52 db at hi impedance (ref. 1 volt per dyne per cm²) and RETMA (GM) —146 db at 150 ohms.

The case shall be of one piece die cast zinc alloy with satin chrome finish. Dimensions shall be 5½" deep x 7¾" high x 3¾" wide. The diaphragm shall be of "dynaflex" plastic, having high impact strength and shall be independent of the effects of temperature and humidity. Microphone impedance shall be 25,000 ohms (150 ohms). * Cable shall be black three conductor, one shielded (four conductor, two shielded)* 20 ft. in length. The microphone shall be wired for relay operation. The microphone shall have the following switching arrangements: (1) Touch front bar to talk; (2) lift switch in base (3) on-off lever lock switch on the side of the microphone base and a switch to disable the lift switch in the base (underside). The weight of the microphone shall be three pounds including cable.

*When specifying model 251, substitute the values in parenthesis.

GUARANTEE:

All Turner microphones are individually and thoroughly tested before leaving the factory and are guaranteed against defective materials and workmanship for one year, providing that instructions are fully complied with and that units are not opened or tampered with in any way.



the TURNER company
Cedar Rapids, Iowa, U. S. A.

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