

**MANUAL MOBILE RADIO**  
**BASE STATION TERMINAL EQUIPMENT**  
**H-TYPE CONTROL TERMINAL**  
**GENERAL**

**1. GENERAL**

**1.01** This section covers the H1 and H2 control terminals and auxiliary control bay. This equipment is used to remotely control a public mobile radio telephone channel from a number of private customer dispatcher locations. In certain instances calls may be originated from the telephone switchboard. This service is called Direct Dispatch Service (DDS) and, when an H2 terminal is used, Mobile Telephone Service (MTS).

**1.02** The H1 terminal provides the control equipment necessary to furnish DDS service to a total of ten dispatcher locations and is intended for those applications where the demand for this service can effectively "load" a complete radio channel.

**1.03** The H2 control terminal has the same features as the H1 except that provisions are made for only five dispatch lines. Also, operator access is provided whereby the mobile service operator may selectively signal those mobile units equipped for MTS on the same radio channel. The DDS mobile units also may place calls through the mobile service operator. This terminal is intended primarily for those applications where the number of DDS customers would not fill a complete radio channel. In such case a combined DDS-MTS service is provided on the same channel.

**1.04** The auxiliary control bay is used with either the H1 or H2 control terminal to increase the number of available dispatch circuits by ten.

**1.05** The H1 and H2 control terminals are electrically similar, the main difference being in the circuitry for the operator access feature and the number of dispatcher channels available. Because of this similarity the associated sections have been prepared so that the instructions apply to both terminals unless otherwise noted.

**1.06** The dc power supplies required for the operation of these control terminals are shown below.

H1	H2	AUX CONT BAY
-48V Talk	-48V Talk	-48V Talk
-48V	-48V	-48V
Signaling	Signaling	Signaling
+130V Plate	-24V Filament	
+130V	-24V	
Telegraph	Signaling	
-130V	+130V Plate	
Telegraph	+130V	
	Telegraph	
	-130V	
	Telegraph	

**1.07** The H2 control terminal, in addition to the dispatch signaling equipment used on the H1 terminal, has a Vogad (on an optional basis) for regulating the transmitted speech energy to a practically constant level, and a selective signaling oscillator to furnish the 600- and 1500-cycle tones,

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under control of a dial, for the selective signaling of individual MTS mobile units by the mobile service operator. A receiver selection circuit which provides for the use of a maximum of three base-station radio receivers, is a standard feature on the H1 terminal and is available as an option on the H2 terminal.

**1.08** The H-type Control Terminal has been rated **Manufacture Discontinued**. Replacement equipment will be from general trade.