

LOCOMOTIVE DTMF/ HANDSET PANEL Model 61-95028



Application:

The 61-95028 Locomotive DTMF/Handset Panel is designed to permit a locomotive conductor to communicate over the locomotive's radio by using an AAR standard handset (not included) and to transmit DTMF tones by using the touchpad on the panel.

Features and Operation:

- Incorporates a DTMF encoder for use with the locomotive's radio as well as provision for connection of an AAR-type handset. Use cable P/N 61-98004 to connect the 61-95028 Panel directly to the Spectra Railroad Radio.
- To transmit DTMF tones, the operator presses the digits on the touchpad. The radio PTT is activated and the tone is transmitted as long as the digit is depressed. The PTT remains activated a second after the digit is released. The tone is also heard in the handset.
- To talk on the radio, the operator presses on the handset's PTT switch and speaks into the handset microphone. A PTT LED is activated whenever the PTT is activated on the panel (DTMF or handset)

Specifications:

- Heavy duty metal construction. Front panel fabricated of 16-gage cold rolled steel. The panel measures 6" x 8" overall and the mounting bolt pattern is 5" x 7". It requires 2" clearance beneath the panel to which it is mounted and its locomotive connector is on an 18" pigtail.
- Power requirements: 12 Volts DC (nominal). The unit draws approximately 15 mA at idle and 30 mA when transmitting. Power can usually be obtained from the locomotive's radio.

- An AAR-type 6-pin connector is used to mate with the locomotive's wiring. The pin out is:

Pin A—Microphone High

Pin B—Microphone Low

Pin C—PTT

Pin D—Ground

Pin E—Ear (receive) Audio

Pin F—12 (nominal) VDC

- Output levels are adjustable and are set at the factory to –20 dBm for DTMF tones to the radio and –15 dBm for microphone audio to the radio.

Ordering Information:

61-95028 Locomotive Panel w/ DTMF Mic & Handset Connector

61-98004 Cable, Locomotive Connector: 30' cable, connects to 61-95028 at one end and connects to 12-pin Radio Auxiliary Connector on Spectra Railroad Radio on the other end.

4/2001 Specifications subject to change.
