



# DC Termination Panels



**DTP Series** The DTP series DC termination panels provide a reliable, cost effective method of interfacing a DC remote control system to virtually any two-way radio system. There are three basic models of the DTP series. The **DTP1** provides TX and RX functions. The **DTP2** provides TX, RX, and Monitor functions. The **DTP3** unit provides TX, RX, Monitor, and F1/F2 functions. Standard features on all models include dip switch selection of control current format, amplified RX and TX audio levels, LED indication of current level detected, LED indication of current polarity, LED indication of active outputs, on board squelch circuit, and the ability for the local microphone audio to be passed back to the remotes. Radio hook-up is made through a removable screw terminal connector on the back of the panel. An aluminum and steel enclosure, selectable -4W/FD operation, and pre-made hook up cables for many Kenwood, Motorola, Vertex, and other popular radios are available.

**100 Series** The 100 series DC termination panels are a low cost multi-featured DC termination panel that allows single channel remote control of many radios through the radio microphone jack with little or no radio modifications necessary. The **MR100** controls nearly all of the Motorola mobiles that use the 8 pin modular microphones using +6 mA TX and -2.5 mA monitor control currents. The panels are housed in a rugged vinyl clad aluminum and steel enclosure and simply plug into the microphone jack of the radio. Power connections are made on the back of the panel and a jack is provided on the front of the unit for a palm or desk microphone. The MR100 provides adjustable amplified TX and RX audio and is PL and DPL compatible. Other models include the **JM100** and the **YSU100**. The JM100 works with the E.F. Johnson Challenger and 8600 series and the YSU100 works with the Yaesu FTL series. Both of these models require minor radio modifications.



# DC Termination Panel Specifications

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## DTP Series

Power Requirements	+11 to +16 Vdc @35 mA idle
Modulation Output	2mVrms tp 565 mVrms into 600 ohm load with 0 dBm input on phone lines
Line Impedence	600 ohms
Rx Input Level	88 mVrms to 880 mVrms (Level required to provide 0 dBm to phone line)
Connections	RJ11 jack for phone line. Screw terminals for radio connections.
Control function outputs	PTT - Relay closure to ground or V+, jumper selectable. Monitor - Form "C" relay contacts. F1/F2 selection - Form "C" relay contacts.
Dimensions/Weight	5" x 4" x 1" - 1lb

## 100 Series

Power Requirements	+11 to +16 Vdc @35 mA idle
Modulation Output	0 to 360Vrms with 0 dBm input on phone line
Line Impedence	600 ohms
Rx Input Level	770 mVrms to 10Vrms (Level required to provide 0 dBm to phone line)
Connections	RJ11 jack for phone line. RJ45 for radio connections.
Control function outputs	Solid state
Dimensions/Weight	5" x 5" x 1" - 2lbs

## Options

-TR	Allows trunking status tones to be passed back to the remotes while the termination panel is keyed. Standard on DTP series.
-4W/FD	Jumper selectable: Four wire simplex operation. TX and RX on one pair, control currents on the second pair. Full duplex operation on four wires. TX audio and control currents on one pair, RX audio on the second pair.
-C	Enclosure for DTP series.

