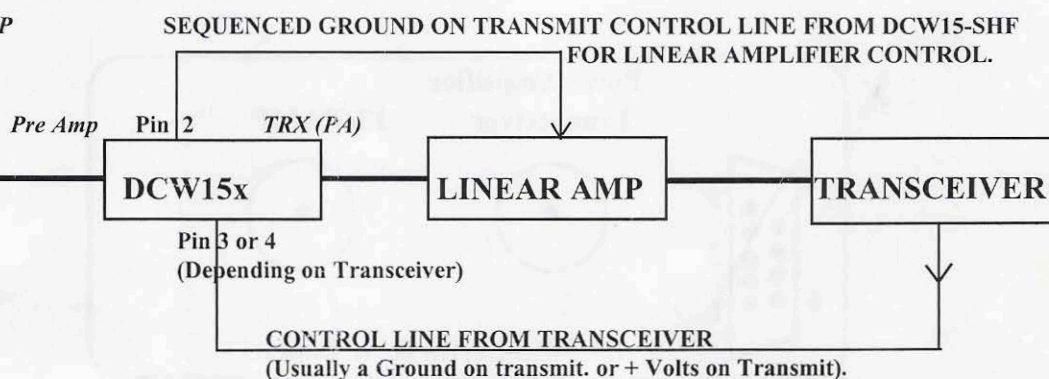


DCW15-B & DCW15-SHF Sequence Controllers

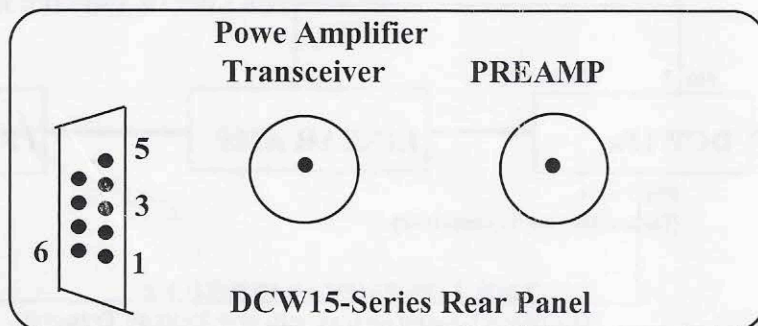


The DCW15-B and the DCW15-SHF SEQUENCERS provide sequenced control of your Linear Power amplifier. They guarantee that preamplifier switchover occurs prior to linear amplifier turn-on. The DCW15 sequencer insures that hot-switching of the coaxial relays at elevated power levels will not take place. Both the DCW15-B and the DCW15-SHF have a built in low loss BIAS "T" that provides the pre-amplifier control voltage via the feedline thus eliminating the additional expense of another cable. In addition, they allow front panel switch selection of Linear amplifier In/Out and Preamplifier In/Out functions.

DCW15-B, DCW15-SHF & DCW15-33 D-Sub Connector Pin-outs

Pin 1 Ground	Ground
Pin 2 PA Control	Provides a sequenced ground on transmit via a relay contact to control Linear Amplifier turn on. This function is bypassed when Linear amplifier <i>OUT</i> has been selected via the front panel.
Pin 3 PTT Line 1	Grounding this line starts sequencer functions. If your rig provides a ground on transmit via a PTT jack, connect your rig's PTT line to PIN 3.
Pin 4 PTT Line 2	Some rig's do not provide a ground on transmit to control other auxilliary equipment. If your rig provides +V on transmit, connect the +V line to Pin 4. +V on this pin starts the sequencer function. Do not exceed 13.8VDC
Pin 5 +13.8V	Connect to +13.8V
Pin 6 Ground	Ground

DCW15-B & DCW15-SHF REAR PANEL CONNECTIONS CONTINUED



TRX (PA) N(F) - If a Linear Power Amplifier is being used - connect to the Power Amplifier RF Output. If only a transceiver or a transverter is being used, connect to the RF output of the transceiver or transverter.

Pre Amp N(F) - The feedline from the preamp should be connected here. +13.8VDC will be present during receive cycles on the center pin of the "N" connector. NOTE: 13.8VDC will not be present if Preamplifier *OUT* was selected.

Depending on the Band a different sequencer model is required. Please use the following to determine the appropriate sequencer model.

<u>Band</u>	<u>Sequencer Model</u>
6 Meters	DCW-15B/6
2 Meters - 70 cm	DCW15B
903 MHz.	DCW-15B/903
1296 & 2304	SCW-15B/SHF

Should you ever have any questions concerning the operation or the hook up of your SP SuperAmp SERIES of Preamplifiers or your DCW15 Sequencer, please do not hesitate to contact us.

