

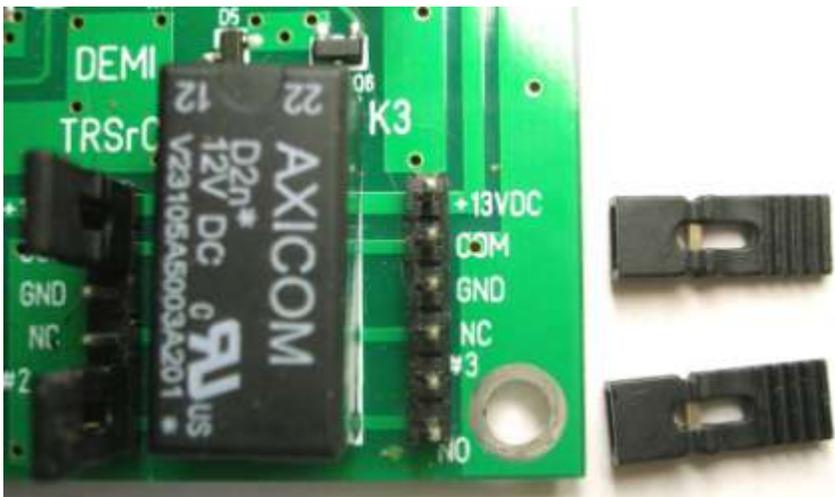


DEM TRS Transmit / Receive Sequencer, REV C

The DEM TRS is a SMD version of our previous W5LUA design with relays. The sequencer has the same functions as the previous revision with some physical changes. The sequencer is activated by either a push to talk to ground (PTT - L) or by applying a + 1.5 - 16 VDC (PTT-H). When activated, a R/C timing circuit in combination with a voltage divider network, begins to turn on each individual op-amp, (the LM324D has 4 total), 1st through 4th in sequence. The op-amps in turn drive their respected switching transistor and relay circuits. When the PTT circuit is released, the sequencer moves back to the resting state in the reverse order. It operates with a standard 13.8 VDC with a current capacity capable of switching up to 2 amps per pole but will depend on the current supplied to the board. Two LED's, GREEN for DC power applied and RED for the 4th stage activation are included. A simple modification may be made to any stage to switch other isolated voltages.



The major physical difference besides the size is that all outputs are selectable by inserting jumpers in the desired positions on header pins to select either a High (positive voltage) or a Low (connection to ground) for the 8 isolated outputs for either the receive or transmit states. Then secondly, all connections to the outside world are made through a 15 pin HD connector where all or some of the 8 isolated outputs may be selected. With the 15 pin HD connector, it measures approximately 3 x 3 inches square. The mating connector is supplied and will need to be wired to meet your requirements.



Boards are factory assembled and available as the TRSB (circuit board only) or available complete in its own enclosure. Both versions come complete with a set of jumpers and the mating connector.