

2 m UNIT OK / modified AT FACTORY
6 m UNIT modified AT KSND



Design Note

From: DEMI R & D Dept.

DN#: 041

Date: FEB 22, 2022

Re: Correct operation of DEMI TR Sequencer

PREFACE: The latest version release has a wrong package style for Q2 installed causing incorrect operation of Sequenced step 2

EXPLANATION: At the manufactures discretion, the large current PNP transistor installed in the Q2 position is of the wrong configuration causing any relay connected to the output of step 2 not to release when sequenced. A modification is required for correct operation of all Kits and some Assembled units dating back to Dec 2020. The assembled units will pass out test fixture testing to verify switching but the units will not operate correctly with a current drain above 10 ma.

THE MODIFICATION: The modification is simple. First remove R2, a surface mount resistor. Install a leaded 220 ohm (1/8 or 1/4W) with on lead attached to the R2pad connected to the leg of the TX/RX Led, D1. The other lead is connected to the large Tab of the Q2 Transistor, or the collector. Then the +DC is supplied to the #2 via and the sequenced output of the switched circuit is supplied through DC2.

All other circuitry is good and will function as designed. Follow the document for the DEM TRS for further information. Pictured below is a modified Sequencer.

