digital EQUIPMENT CORPORATION
MAYNARD, MASSACHUSETTS

E C DEC-O-LOG Engineering Change Order Log

M802

12 Bit Latching Relays Module for DD01

PROCESSOR TYPE PDP-8 and PDP-11

M802-00001 CODE: D CS: A ETCH: D
DEC-70 - PROBLEM: **START** signal, input "DD2 ", loading; four unit load becomes excessive for source when more than two modules are inserted into logic.
CORRECTION: Reduce loading to one unit load by using series pair of inverters in input line.
In-plant effectivity -03 rework immediately

M802-A0002 CODE: DF CS: B ETCH: E
JUL-71 - PROBLEM: Noise from switching high voltage with relays causes interaction of data.
CORRECTION: Move etch lines CD2 (ADRX), CE2 (ADRY), CF2 (ADR WD), CH2 (LOAD), and filter one reset line.
In-plant effectivity -04 rework
Field effectivity -Rework all M802's
(Time To Install And Test 1.0 Hour.) (Kit Contents -FCO/Prints And Parts)

M802-00003 CODE: D CS: C ETCH: E
NOV-71 - PROBLEM: Interaction caused by high voltage switching. Single-shot circuit producing **DATA STROBE** signal should be retriggerable to prevent timing problems when loading data in a sequential mode.
CORRECTION: Replace present one-shot circuit with a TI # SN 74123 retriggerable IC.

NOTE: See correction supplement ECO M802-0003A
In-plant effectivity -02 phase-in

M802-00003A CODE: D
JUN-72 - PROBLEM: ECO M802-00003 should incorporate a 3.0 volt source for the SN74123 one-shot.
CORRECTION: Add to ECO M802-00003 a 1.2K ohms 1/4 watt 5% cc resistor and a 2.2K ohms 1/4 watt, 5% cc resistor to the 5 volt line.
In-plant effectivity -Unchanged

M802-0003B CODE: D
SEP-72 - PROBLEM: ECO M802-00003 has incorrect number of parts added and deleted.
CORRECTION: Delete two DEC 1001610, .01UF 100V 20% disc capacitor and two DEC 1100114, diode D664. Add one DEC 1001776, diode D662.
In-plant effectivity -06 documentation change only