AVTECH ELECTROSYSTEMS LTD.

NANOSECOND WAVEFORM ELECTRONICS
ENGINEERING – MANUFACTURING

P.O. BOX 265
OGDENSBURG
NEW YORK
13669
(315) 472-5270

BOX 5120, STN. "F"
OTTAWA, ONTARIO
CANADA K2C 3H4
TEL: (613) 226-5772
FAX: (613) 226-2802
TELEX: 053-4591

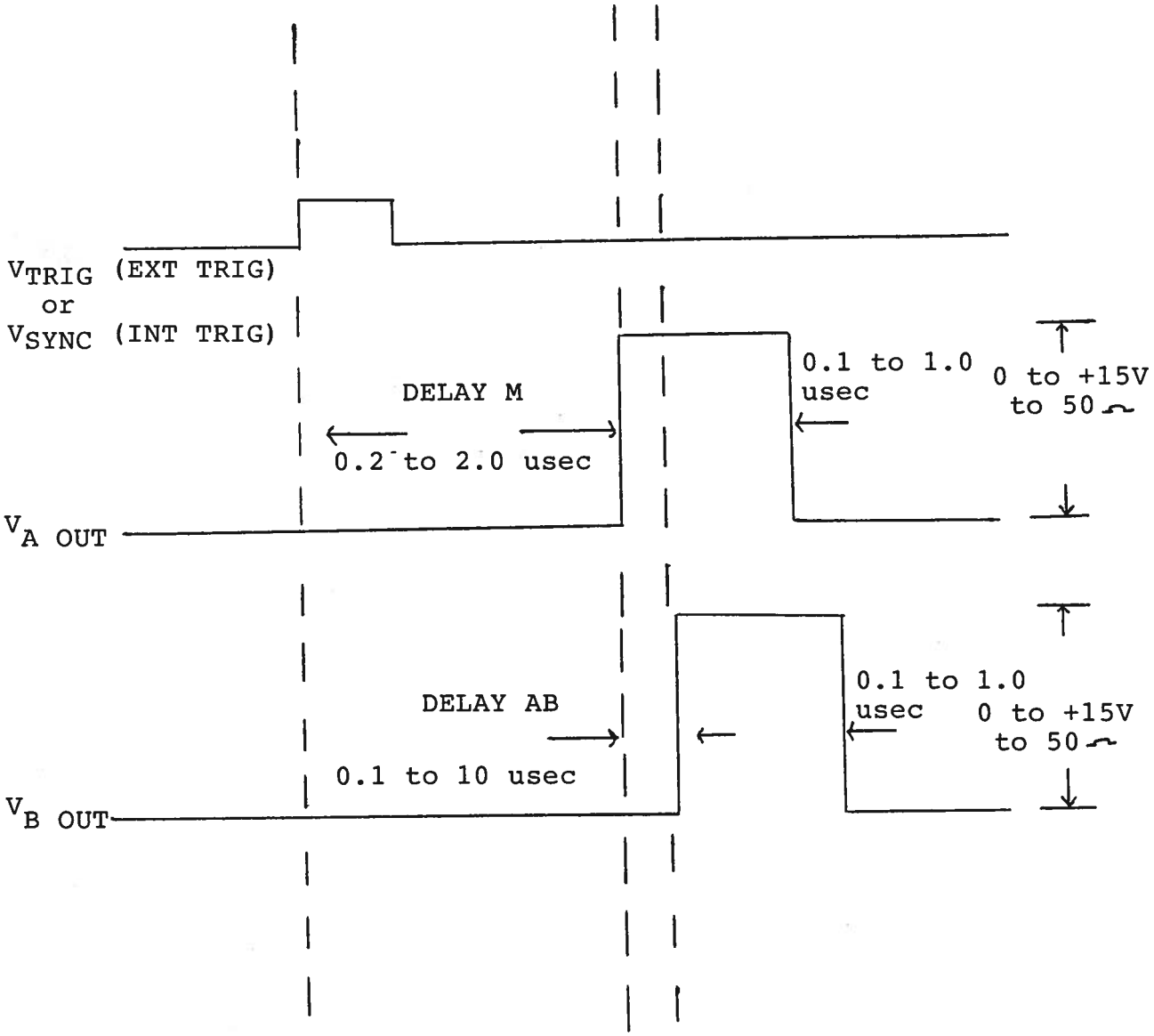
INSTRUCTIONS

MODEL AVX-D-4-C-ED DELAY GENERATOR

S.N.:

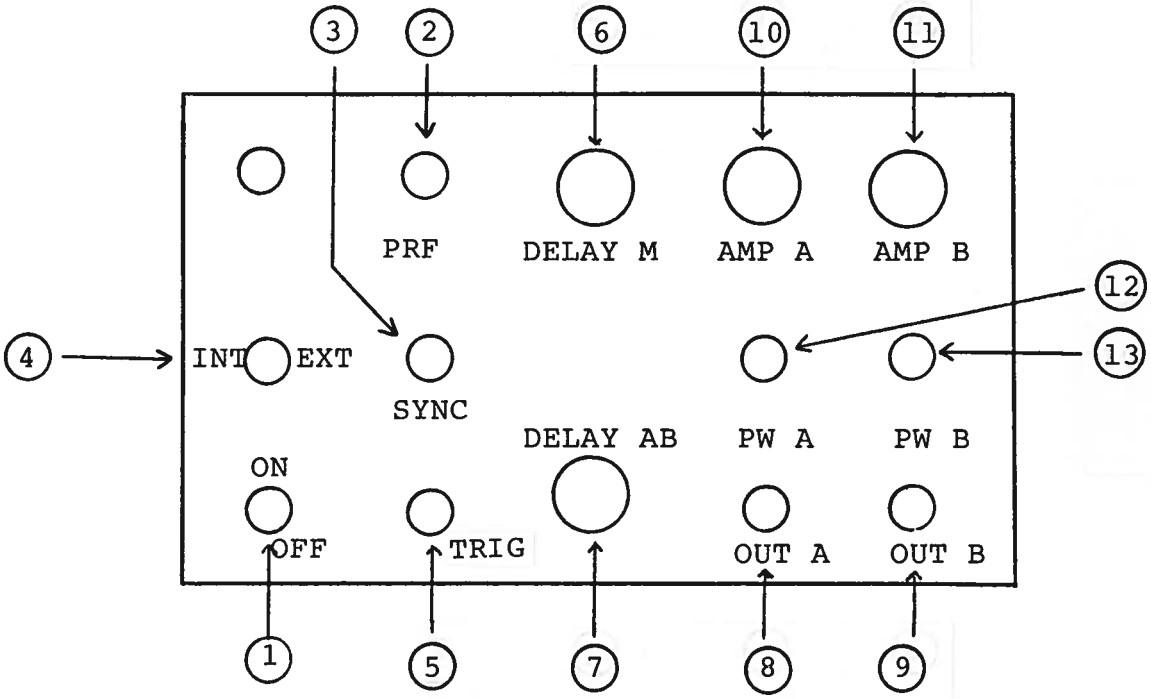
WARRANTY

Avtech Electrosystems Ltd. warrants products of its manufacture to be free from defects in material and workmanship under conditions of normal use. If, within one year after delivery to the original owner, and after prepaid return by the original owner, this Avtech product is found to be defective, Avtech shall at its option repair or replace said defective item. This warranty does not apply to units which have been dissembled, modified or subjected to conditions exceeding the applicable specifications or ratings. This warranty is the extent of the obligation or liability assumed by Avtech with respect to this product and no other warranty or guarantee is either expressed or implied.



INPUT AND OUTPUT WAVEFORMS FOR AVTECH MODEL AVX-D-4-C DELAY GENERATOR

AVX-D-4-C FRONT PANEL



(1) ON-OFF Switch. Applies prime power to all stages.

(2) PRF. One turn control varies PRF from 10 Hz to 50 KHz (INT TRIG).

(3) SYNC. +5 volt 200 nsec wide pulse output for scope triggering when operating on INT TRIG mode.

(4) INT-EXT. To control PRF using internal clock (ie. INT TRIG) set switch in INT position. Clock will trigger channels A and B and provide SYNC pulse at SYNC out. To control PRF using external pulser, apply +5 volt 20 nsec or wider pulse at TRIG input (5).

(5) TRIG. Apply TTL level 20 nsec or wider pulse at this connection when INT-EXT switch is in EXT position.

(6) DELAY M. 10 turn locking pot varies relative delay between OUT A and input trigger (or SYNC) from 0.2 to 2.0 usec.

(7) DELAY AB. 10 turn locking pot varies relative delay between OUT B and OUT A from +0.1 usec to 10.0 usec independently of setting of DELAY M.

(8) OUT A. BNC connector provides output pulse to 50 ohm load.

(9) OUT B. BNC connector provides output pulse to 50 ohm load.

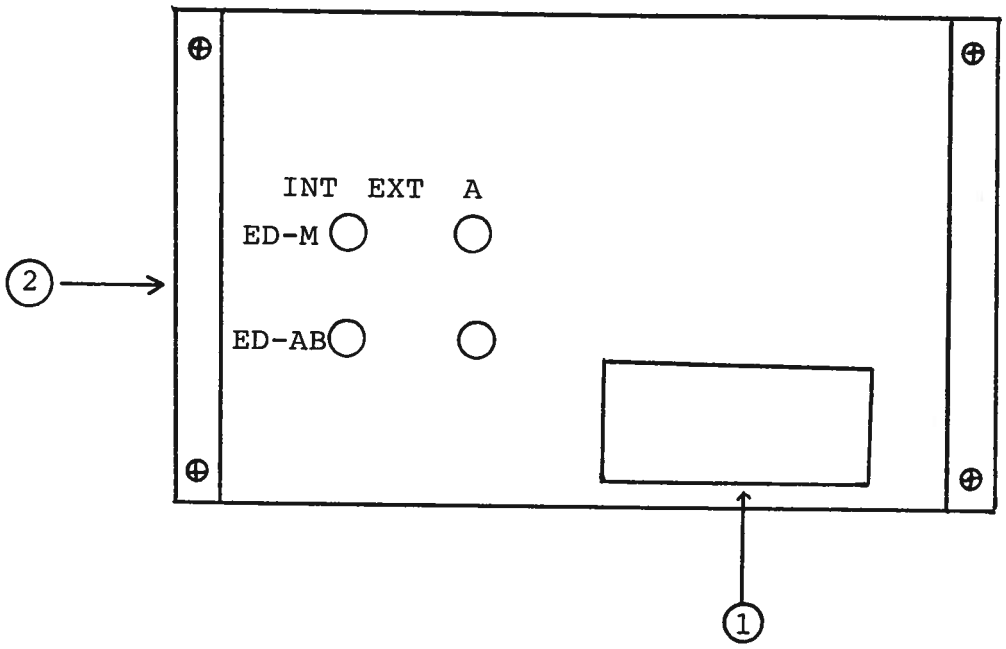
(10) AMP A. One turn control varies output amplitude for A from 0 to +15V.

(11) AMP B. One turn control varies output amplitude for B from 0 to +15 V.

(12) PW A. One turn control varies output pulse width for A from 0.1 to 1.0 usec.

(13) PW B. One turn control varies output pulse width for B from 0.1 to 1.0 usec.

BACK PANEL CONTROLS



(1) FUSED CONNECTOR, VOLTAGE SELECTOR. The detachable power cord is connected at this point. In addition, the removable cord is adjusted to select the desired input operating voltage. The unit also contains the main power fuse.

(2) ED. To voltage control the delay M (or AB), set the switch in the EXT position and apply 0 to +10 volts between terminal A and ground (R_{IN} > 10K). (option).

Schroff 12.07.89