AVTECH
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NANOSECOND WAVEFORM ELECTRONICS

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## INSTRUCTIONS

MODEL AUR-S-F-EW-EF-DAY2 FULSE GENERATOR
S. N. =

## WAREANTY

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.

MODEL AVR-3-P-EW-EF-DAY2 TEST ARRANGEMENT AND GENERAL INSTRUCTIONS

Bob Payne
Daytronic Co.
2589 Corville Place
Miamisburg, OH 45342

Tel: 513-866-3300
Fax: 513-866-3327

Dear Bob:
Following our telephone conversation of July 12, I am pleased to provide a revised specifications table for a six-channel pulser module as follows:

Model designation:
Number of output channels:

Output amplitude: (each channel)

Source impedance:
Output pulse width:

AVR-3-P-EW-EF-DAY2.
6. The six output channels are all driven in parallel from one high speed, high efficiency switch.
+7 Volts to 14.5 Volts to $10 \leqslant$ $\mathrm{R}_{\mathrm{L}} \leq 20$ Ohms. Output amplitude controlled by user-supplied prime power supply (from 8 to 16 Volts). Prime power supply must be capable of providing 9.0 Amperes (for worse case of 14.5 Volts to 10 Ohms).
$\leqslant 0.5$ Ohms.
1 ms to 100 ms as follows:
Range 1: 1 ms to 10 ms . Range 2: 10 ms to 100 ms .

Within each range, pulse width controlled by 0 to +5 VDC control voltage $\left(R_{\text {IN }} \geqslant 10 K\right)$. For Range 1 selection, apply 0 V to solder terminal. For Range 2, apply +5 Volts $\left(R_{\text {IN }} \geqslant 1 K\right)$.

Pulse repetition rate:

Duty cycle:

Rise, fall time:
Prime power:

Chassis size:

Chassis material:
Connectors:
Price:

Delivery:

1 Hz to 100 Hz as follows:
Range 1: 1 Hz to 10 Hz .
Range 2: 10 Hz to 100 Hz .
Within each range, PRF controlled by 0 to +5 VDC control voltage ( $\mathrm{R}_{\mathrm{IN}} \geqslant 10 \mathrm{~K}$ ). For Range 1 selection, apply 0 V to solder terminal. For Range 2, apply +5 Volts ( $\mathrm{R}_{\mathrm{IN}} \geqslant 1 \mathrm{~K}$ ).

Range 1: $0.1 \%$ to $90 \%$.
Range 2: 100\%. +12 VDC out from all six outputs.
Range 3: 0\%. All outputs off.
For Range 1 selection, apply $0 V$ to solder terminal A. For Range 2, apply +5 Volts to terminal A $\left(R_{I N} \geqslant 1 K\right)$. For Range 3, apply +5 Volts to terminal B.
$\leqslant 100 \mathrm{~ns}$.
a) +8 to +16 Volts, 9.0 Amperes (max).
b) +15 Volts, 300 mA .
$1.7^{\prime \prime} \times 3.0^{\prime \prime} \times 6.0^{\prime \prime}$, AVTECH style A1, see page 109, Cat. No. 8 (see enclosed sketch).

Cast aluminum, blue enamel.
Solder terminals.
\$1,495.00 US each, FOB destination.

July 23, 1993.

If you accept the above specification changes, please issue a purchase order amendment to account for the model number change.

WC: pr
Encl. Sketch


Dr. Walter Chudobiak
Chief Engineer



Guly 27/93

