A PULSER CIRCUIT FOR RELAY PROGRAMMING WHICH WILL STRETCH PULSES

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A recent article in this Journal (Ames, 1963) presents a simple and ingenious relay circuit that, given a maintained operate, provides a pulse at operate on, at operate off, or both. It is stated that this circuit will not stretch input pulses. A simple modification will, however, permit this additional function. Given any momentary, maintained, or variable length operate input, the circuit (Fig. 1) will give a standard length output starting at operate onset (as long as operate time is long enough to get the relay down). The revised circuit also uses a more durable diode than that used in the original.

REFERENCE

Ames, Lawrence L. A pulser circuit for relay programming. *J. exp. Anal. Behav.*, 1963, 6, 422.

Fig. 1. A pulse-stretching pulser. Capacitor is electrolytic, 25 mfd or more, 50 v (capacitance controls duration); relay is Clare type J, 300 ohms, 7100 turns; diode is RCA 1N540.