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Find the *DynamicSignals / Kinetic Systems V645-LB11* at our website: *Click HERE*

V645 - 8-channel Timing Pulse Generator

General Description

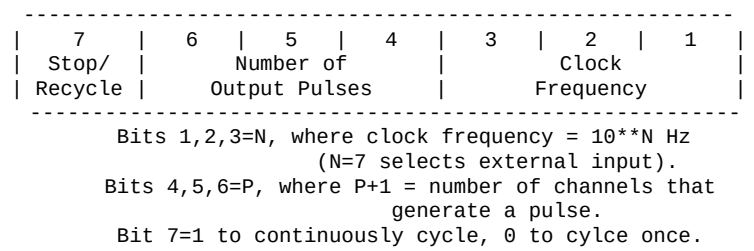
The V645 is a single-width, C-sized VXIbus module that contains a 16-bit counter and eight 16-bit set-point registers that are compared with the counter. The comparisons produce output pulses, and any of them can be used to either stop or clear the counter. The comparisons also produce interrupt source bits which can be individually enabled to produce interrupt requests.

A flag bit determines wether the counter stops with the last output pulse or wether it is cleared to produce repeated cycles of timing sequences. In the former mode of operation, additional pulse sequencies are initiated either by a software command or by an external signal or contact closure.

The V645 provides its own crystal clock, and the input frequency to the counter is software controlled for any decade from one hertz to one megahertz. Input to the counter can also come from an external source.

Numbers in the eight registers (or fewer, if less than eight pulse sources are required) must be stored in increasing numerical order for proper timing of the output pulses.

A control register provides programmable control of the clock frequency (one hertz to one megahertz), the number of channels that generate a pulse (one to eight), and wether to stop or recycle after last pulse. The bit assignments in the register are shown below:



The V645 supports both static and dynamic configuration capabilities. Access to the data is through memory locations indicated by the Offset Register within the VXIbus Configuration Register set, using A24/16, D16 data transfers

Specifications

Ordering Information

Model V645-LA11
8-channel Timing Pulse Generator, High-true TTL outputs
Model V645-LB11
4-channel Timing Pulse Generator, Low-true TTL outputs

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Other Information in this section:

- Previous Module: V630 - 4-channel 50 KHz Frequency Counter
- Next Module: V660 - Programmable Clock Generator

Last updated: 4/28/1995 by webmaster@kscorp.com

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