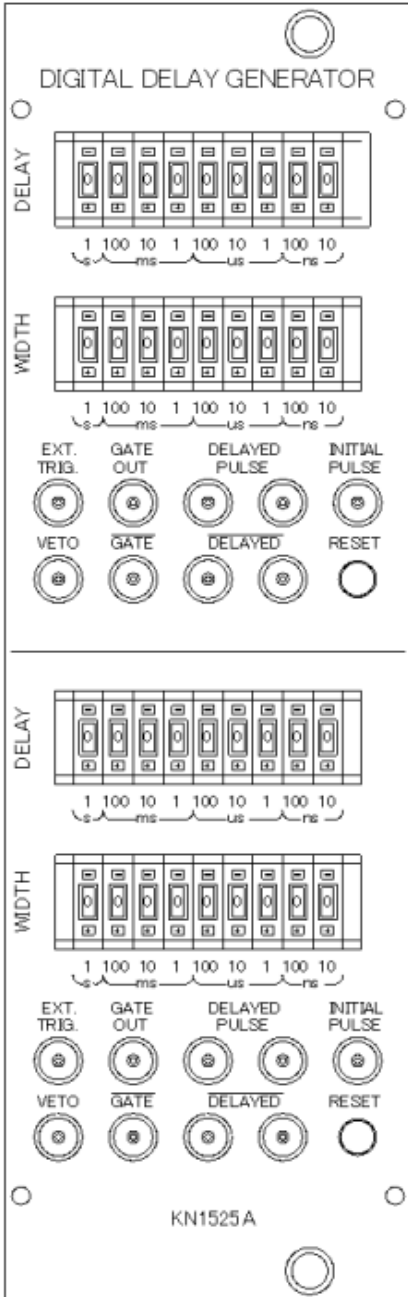


DIGITAL GATE & DELAY GENERATOR



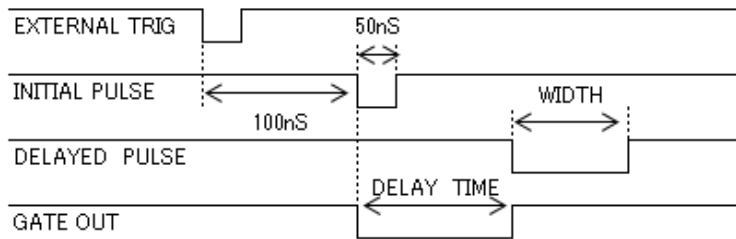
«**ABSTRACT**»

◆ This digital gate and delay generator can set the delay time (the time difference between initial pulse and gate outpulse) and the delay pulse width by 10nsec unit from 0ns to 9.9999999ns by digital switch on front panel.

◆ The time (the insert on delay) that the external trigger signal is output as the initial pulse is 100nsec (fixed).

◆ The time difference between the external trigger and the delay pulse is as follows.

$$\text{Delay time} = \text{setting value of delay time (DELAY)} + 100\text{nS}$$



(All of input and output level is NIM level)

To delay by the desired time, it calculates the delay time by counting the clock signal (100MHz).

Because the correlation of phase or frequency between the clock signal and the external signal is nothing, the clock signal is synchronized with input signal using phase synchronized circuit.

«**Specifications**»

- ◇ NIM double-width module
- ◇ 2CH
- ◇ Standard LEMO connector
- ◇ Input and output signal : NIM sig
- ◇ DIGITAL SW 9stages
- DEELAY TIME
- DELAYED PULSE WIDTH
- ◇ Input signal
- EXT TRIGGER
- VETO
- ◇ Output signal
- INITIAL PULSE
- GATE OUT
- GATE OUT
- DELAYED PULSE
- DELAYED PULSE
- ◇ RESET SW
- ◇ Power supply
- +6V 1.5A
- 6V 3.5A
- +12V 0.3A



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