CONTROLS

All the main controls have a switched setting and a vernier to allow fine control of the setting.

PULSE PERIOD

Ext

Sets the pulse period from 20 ns, 1 uS, 0.1mS, 10mS and 1 S respectively.

PULSE DELAY

Sets the pulse delay from 35nS, 1uS, 0.1mS, 10mS and 1S.

Double/Normal

PULSE WIDTH

Sets the pulse width from 10 ns, 1 uS, 0.1mS, 10mS and 1 S respectively.

SQUARE WAVE

When the switch is in this position the vernier has no effect and the output will be a symmetrical square wave.

TRANSITION TIME

Sets the transition time (rise and fall time) to 5nS, 0.5uS, 50uS, 5 mS or 0.5S.

There are separate controls for the leading and trailing edge.

AMPLITUDE

Sets the output level to 0.4-1.0V, 1.0 –2.0V, 2.0-4.0V, 4.0-10V.

SYM NORM COMPL

Symmetrical
In this setting the waveform is symmetrical with reference to zero volts.

Normal
The output level is determined by the polarity switch

Complimentary

DC OFFSET
Add a +/- 2.5V dc offset to the output signal.

POLARITY

Selects the polarity of the output signal i.e. positive going or negative going.

LOAD
Switches the internal load in and out.

OUTPUT/INPUTS

OUTPUT
The main output from the pulse generator.

TRIGGER INPUT
External trigger. Operative when the Pulse Period switch is in the EXT position.

GATE INPUT
Disables the pulse generator during the gating time.

TRIGGER OUTPUT
Provides a square wave output regardless of the waveform set by the function switch. The level is 5V and suitable for driving TTL and CMOS logic.