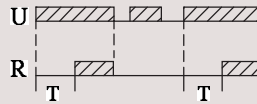




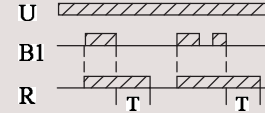
FUNCTIONAL DIAGRAMS FOR V0DDTS1 & V0DDTD1

ON DELAY [0]



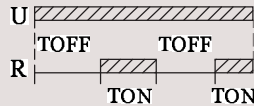
Timing commences when supply is present. R energizes at the end of the timing period.

SIGNAL OFF DELAY [9]



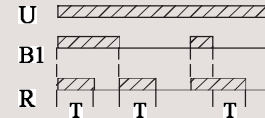
R energizes when switch B1 is closed. Timing commences after S is opened and then the relay de-energizes.

CYCLIC OFF/ON {OFF Start, (Sym, Asym)} [1]



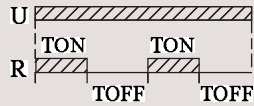
T-ON and T-OFF can be same or different. The relay (R) keeps on changing its status till power is removed.

IMPULSE ON/OFF [A]



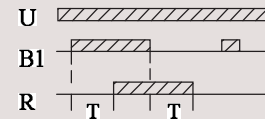
R energizes for the timing period when B1 is opened or closed. When timing commences, changing state of B1 does not affect R but resets timer.

CYCLIC ON/OFF {ON start, (Sym, Asym)} [2]



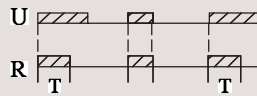
This function is quite similar to the function '1' but initially the relay (R) is ON for period T-ON after the power is applied.

SIGNAL OFF/ON [b]



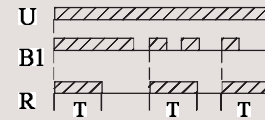
When switch B1 is closed or opened for preset time T, the relay changes its state after time duration T.

IMPULSE ON ENERGIZING [3]



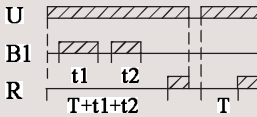
After power ON, R energizes and timing starts. R de-energizes after timing is over.

LEADING EDGE IMPULSE 1 [C]



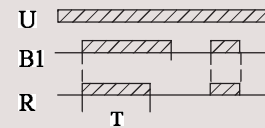
When B1 is closed, output relay energizes until timing irrespective of any further action of B1.

ACCUMULATIVE DELAY ON SIGNAL [4]



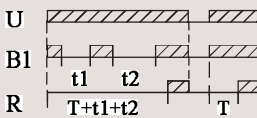
Time commences as supply is present and switch B1 is open. Closing switch B1 pauses timing. Timing resumes when switch B1 is opened again. R energizes at the end of timing.

LEADING EDGE IMPULSE 2 [d]



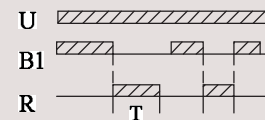
when switch B1 is closed, and remains closed output relay energizes until timing is over. If B1 is opened during timing, R resets.

ACCUMULATIVE DELAY ON INVERTED SIGNAL [5]



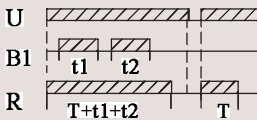
Time commences as supply is present and switch B1 is closed. Opening switch B1 pauses timing. Timing resumes when switch B1 is closed again. R energizes at end of timing.

TRAILING EDGE IMPULSE 1 [E]



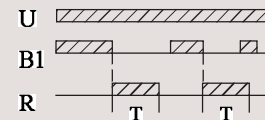
when B1 is opened, R energizes and de-energizes when timing is over. If B1 is closed during timing R resets.

ACCUMULATIVE IMPULSE ON SIGNAL [6]



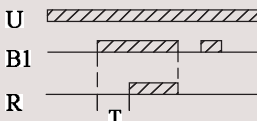
When supply is ON, R energizes. When switch B1 is closed timing is suspended and remains suspended till switch B1 is opened again. Interrupting supply resets timer.

TRAILING EDGE IMPULSE 2 [F]



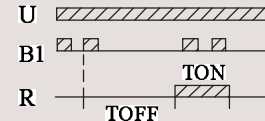
When switch B1 is opened, R energizes and will de-energize when timing is over. If B1 is pulsed during timing period it will have no effect on R.

SIGNAL ON DELAY [7]



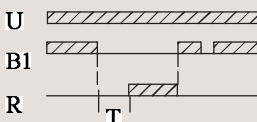
Timing starts when switch B1 is closed. R energizes at end of timing period and de-energizes when B1 is opened.

DELAYED IMPULSE [G]



when switch B1 is closed, TOFF starts. Relay energizes at the end of TOFF period. Then, TON starts irrespective of signal level and relay de-energizes at the end of TON period.



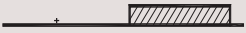



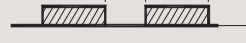









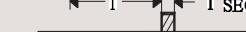
INVERTED SIGNAL ON DELAY [8]



Timing will commence when supply is present and switch B1 is open. R energizes after timing. If B1 is closed during timing period, timing resets to the beginning of cycle.



FUNCTIONAL DIAGRAMS FOR V0DDTS & V0DDTD

<p>ON DELAY (A)</p>	<p>P : A1-A2 </p> <p>P: Power-On operation</p> <p>S : B1 </p> <p>R : </p>
<p>CYCLIC OFF/ON {OFF Start, (Sym,Asym)}(b)</p>	<p>S : B1 </p> <p>T OFF T ON T OFF T ON</p> <p>R : </p>
<p>CYCLIC ON/OFF {ON Start, (Sym,Asym)}(C)</p>	<p>S : B1 </p> <p>T ON T OFF T ON T OFF</p> <p>R : </p>
<p>SIGNAL ON/OFF(d)</p>	<p>S : B1 </p> <p>R : </p>
<p>SIGNAL OFF DELAY(E)</p>	<p>S : B1 </p> <p>R : </p>
<p>INTERVAL(F)</p>	<p>S : B1 </p> <p>R : </p>
<p>SIGNAL OFF / ON(G)</p>	<p>S : B1 </p> <p>R : </p>
<p>ONE SHOT OUTPUT (H)</p>	<p>S : B1 </p> <p>R : </p>

Note: 1. For Power-On operation (P) connect the terminal B1 to A1 permanently.
 2. If the Signal (S) changes during the Timer Duration (T), it does not change the output relay but re-triggering takes places and the Timer Duration is extended.