

GRAPHICAL SYMBOLS FOR LOGIC DIAGRAMS

LOGIC FUNCTION	SYMBOL	DEFINITION	LOGIC FUNCTION	SYMBOL	DEFINITION
AND		A DEVICE WHICH PRODUCES AN OUTPUT ONLY WHEN EVERY INPUT IS PRESENT.	TIME DELAY PICKUP		A DEVICE WHICH PRODUCES AN OUTPUT FOLLOWING DEFINITE INTENTIONAL TIME DELAY AFTER ITS INPUT IS PRESENT AND MAINTAINED UNINTERRUPTED. DELAY TIME IS INCLUDED WITH THE SYMBOL AS 5 SEC. TDFU IN EXAMPLE.
NOT		A DEVICE WHICH PRODUCES AN OUTPUT ONLY WHEN THE INPUT IS <u>NOT</u> PRESENT	TIME DELAY DROPOUT		A DEVICE WHOSE OUTPUT DISAPPEARS FOLLOWING A DEFINITE INTENTIONAL TIME DELAY AFTER ITS INPUT IS REMOVED. DELAY TIME IS INCLUDED WITH THE SYMBOL AS 5 SEC. TDDO IN EXAMPLE.
OR		A DEVICE WHICH PRODUCES AN OUTPUT WHEN ONE INPUT (OR MORE) IS PRESENT.	TIME DELAY PICKUP & DROPOUT		A DEVICE WHICH PRODUCES AN OUTPUT FOLLOWING A DEFINITE INTENTIONAL TIME DELAY AFTER ITS INPUT IS PRESENT AND WHOSE OUTPUT DISAPPEARS FOLLOWING A DEFINITE INTENTIONAL TIME DELAY AFTER ITS INPUT IS REMOVED. DELAY TIMES ARE INCLUDED WITH THE SYMBOL AS 5 SEC. TDFU & 10 SEC. TDDO IN EXAMPLE.
RETENTIVE MEMORY		A DEVICE WHICH RETAINS THE CONDITIONS OF OUTPUT CORRESPONDING TO THE INPUT LAST ENERGIZED. OUTPUT EXIST AS SOON AS THERE IS INPUT, AND CONTINUES TO EXIST REGARDLESS OF WHETHER INPUT CONTINUE TO EXIST. TO TERMINATE AN OUTPUT, SAY X IN EXAMPLE, THERE MUST BE NO INPUT A AND A POSITIVE INPUT B. IN CASE OF POWER INTERRUPTION THE DEVICE MECHANICALLY STORES THE LAST VALID DATA UNTIL POWER IS RESTORED WHEN IT WILL ASSUME THE CONDITION OF OUTPUT BASED ON INPUTS THEN PRESENT. (LATCHING RELAY).	ADJUSTABLE TIME DELAY		OTHERWISE SIMILAR TO TIME DELAY PICKUP, TIME DELAY DROPOUT, AND TIME DELAY PICKUP AND DROPOUT. RANGE OF TIME DELAY IS INCLUDED WITH SYMBOL AS 0-30 SEC. IN EXAMPLE.
SINGLE SHOT (WIPE OUT)		A DEVICE WHOSE OUTPUT IS OBTAINED AS SOON AS THERE IS INPUT, REMAINS THERE FOR THE CHARACTERISTIC TIME OF THE DEVICE, AND DISAPPEARS EVEN IF THE INPUT CONTINUES TO BE PRESENT. REMOVAL OF INPUT PRIOR TO THIS TIME, WILL TERMINATE THE SINGLE SHOT. DURATION OF SINGLE SHOT IS INCLUDED WITH THE SYMBOL.	ISOLATION DEVICE		A DEVICE IN A CIRCUIT WHICH PREVENTS MAIFUNCTIONS IN ONE SECTION OF A CIRCUIT FROM CAUSING UNACCEPTABLE INFLUENCES IN OTHER SECTIONS OF THE CIRCUIT OR OTHER CIRCUITS.
			SPECIAL		A DEVICE WHICH PRODUCES AN OUTPUT ACCORDING TO CONDITIONS STATED WITHIN THE BOX OR IN A SEPARATE NOTE.

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WASHINGTON PUBLIC POWER SUPPLY SYSTEM NUCLEAR PROJECT NO 3 INSTRUMENT SCHEMATIC - LOGIC DIAGRAM SYMBOLS	WPPS-3240 D6080 SHEET III

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