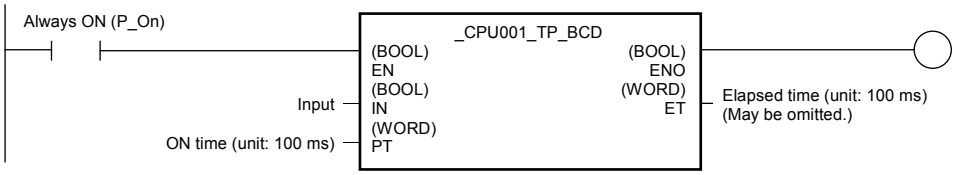
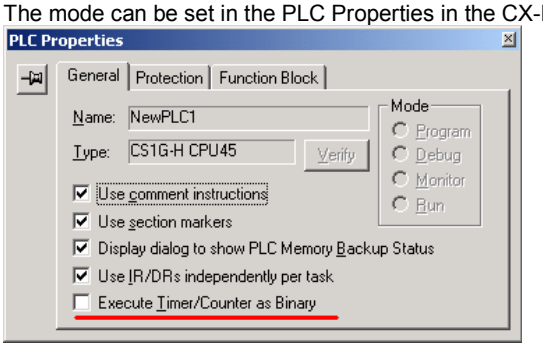
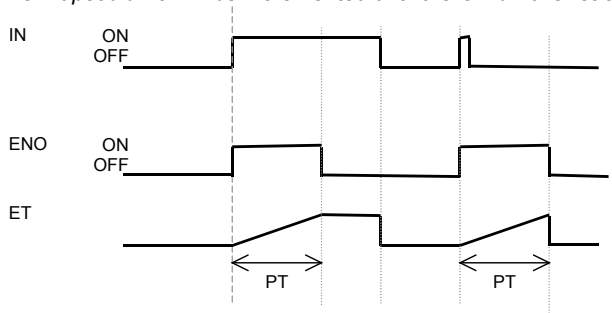
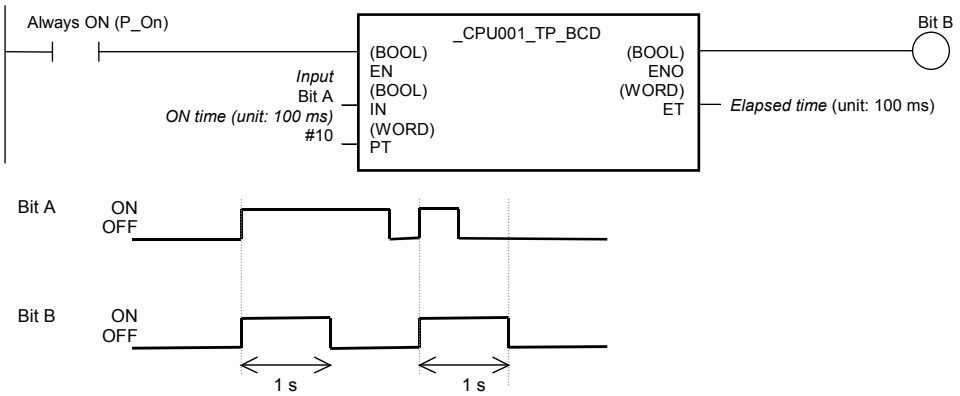
CPU -001	BCD Pulse Timer: _CPU001_TP_BCD

Basic function	Turns ON the output for a specified time after the input turns ON.	
Symbol		
File name	Lib\FLB\omronlib\PLC\CPU_CPU001_TP_BCD10.cxf	
Applicable models	CPU Unit	CS1*-CPU**H Unit version 3.0 or higher CJ1*-CPU**H Unit version 3.0 or higher CJ1M-CPU** Unit version 3.0 or higher CP1H CP1L
	CX-Programmer	Version 5.0 or higher
Conditions for usage	PLC Properties • The PV update method for timers and counters must be set to BCD in the PLC Setup. A compiling error will occur if BCD mode is not set. The mode can be set in the PLC Properties in the CX-Programmer.  Shared Resources • Timers	
Function description	ENO is turned ON for the time specified in *ON time* when the *Input* turns ON. The *Elapsed time* will be incremented until the *ON time* is reached. 	
EN input condition	Connect the EN input to the Always ON Flag (P_On).	
Restrictions Input variables	• If the input variables are out of range, the ENO Flag will turn OFF and the FB will not be processed. • The *ON time* input variable must be BCD between #0000 and #9999. If a setting is not within range, ENO is turned OFF.	

Application example	
Related FBs	Use the correct FB for the timer/counter PV update mode set in the PLC Setup. Binary mode: Binary Pulse Timer (_CPU002_TP_BIN) BCD mode: BCD Pulse Timer (_CPU001_TP_BCD)

■ **Variable Tables**

Input Variables

Name	Variable name	Data type	Default	Range	Description
EN	EN	BOOL			1 (ON): FB started. 0 (OFF): FB not started.
Input	IN	BOOL			Turn ON to start timing.
ON time	PT	WORD		#0000 to #9999	Specify the ON pulse time (unit: 100 ms). For example, #30 means 3 seconds.

Output Variables

Name	Variable name	Data type	Range	Description
ENO	ENO	BOOL		Turns ON for a specified time after the input turns ON.
Elapsed time (May be omitted.)	ET	WORD		Outputs the time that *Input* was ON until the *ON time* is reached (unit: 100 ms).

■ **Version History**

Version	Date	Contents
1.00	2004.6.	Original production

Note

This manual is a reference that explains the function block functions.
It does not explain the operational limitations of Units, components, or combinations of Units and components. Always read and understand the Operation Manuals for the system's Units and other components before using them.