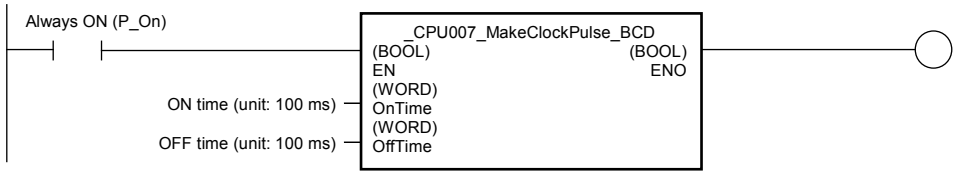
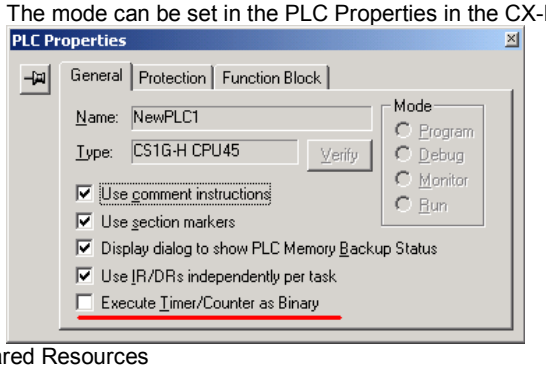
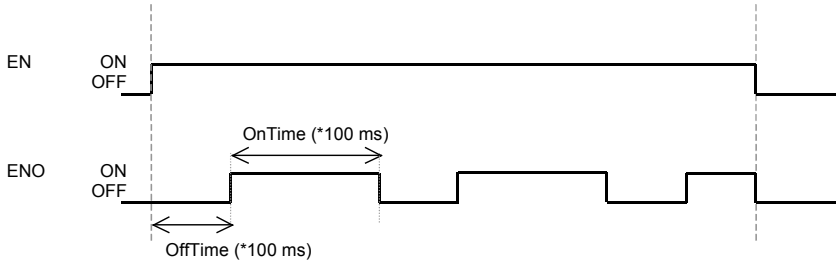
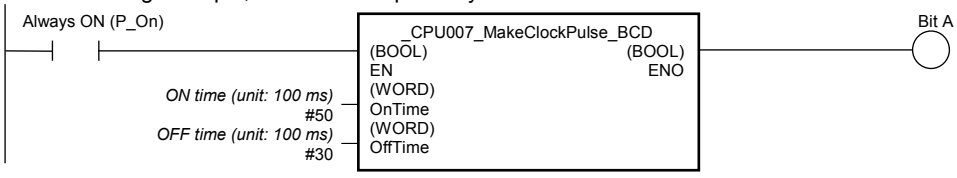
CPU -007	Make ON Time/OFF Time Clock Pulse in BCD: _CPU007_MakeClockPulse_BCD

Basic function	Generates a clock pulse with the specified ON time and OFF time and outputs it to ENO.	
Symbol		
File name	Lib\FLB\omronlib\PLC\CPU_CPU007_MakeClockPulse_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 will be OFF for the time set in *OFF time* and then will be ON for the time set in *ON time.* 	
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. • Set the *ON time* and *OFF time* input variables to between #0000 and #9999 in BCD (100 ms units). If a setting is not within range, ENO is turned OFF.	
Application example	In the following example, bit A will be repeatedly ON for 5 s and OFF for 3 s. 	
Related FBs	Use the correct FB for the timer/counter PV update mode set in the PLC Setup. Binary mode: Make ON Time/OFF Time Clock Pulse in Binary (_CPU008_MakeClockPulse_BIN) BCD mode: Make ON Time/OFF Time Clock Pulse in BCD (_CPU007_MakeClockPulse_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.
ON time	OnTime	WORD		#0000 to #9999	Specify the ON time (unit: 100 ms). For example, #30 means 3 seconds.
OFF time	OffTime	WORD		#0000 to #9999	Specify the OFF 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 the OnTime and OFF for the OffTime.

■ **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.