

December 2008
Fuji Electric Systems Co., Ltd.
Controller Div.
Automation & Solution Business
Headquarters

MICREX-SX Series Notice of SPB Functional Expansion

We would like to thank you for your continued patronage of Fuji Programmable Controllers.
Please be informed that Fuji Electric Systems has expanded a function in the MICREX-SX-series SPB (SX mode) with a firmware upgrade.

1. Contents of Change

Item	Applicable model	Expanded function
Firmware change	Basic unit NW0P20□-3□ NW0P30□-3□ NW0P40□-3□ NW0P60□-3□ NW0P40□-3□C NW0P60□-3□C	(1) Support for task settings that update the current values of high-speed counters.

2. Notes Accompanying Change

- (1) No SPB changes
The SX mode is supported by updating the system software with the Expert Programming Support Tool.
- (2) Applicable versions
The expanded function is supported by firmware version V05 or higher.
- (3) The prices and model numbers remain unchanged.
- (4) The version the SX-Programmer Programming Support Tool must be updated to use the new expanded function.
Update the system software of the applicable basic unit with the system software utility enclosed in the package.
 - Expert (D300win) V3 (NP4H-SEDBV3): V3.4.5.0 or higher

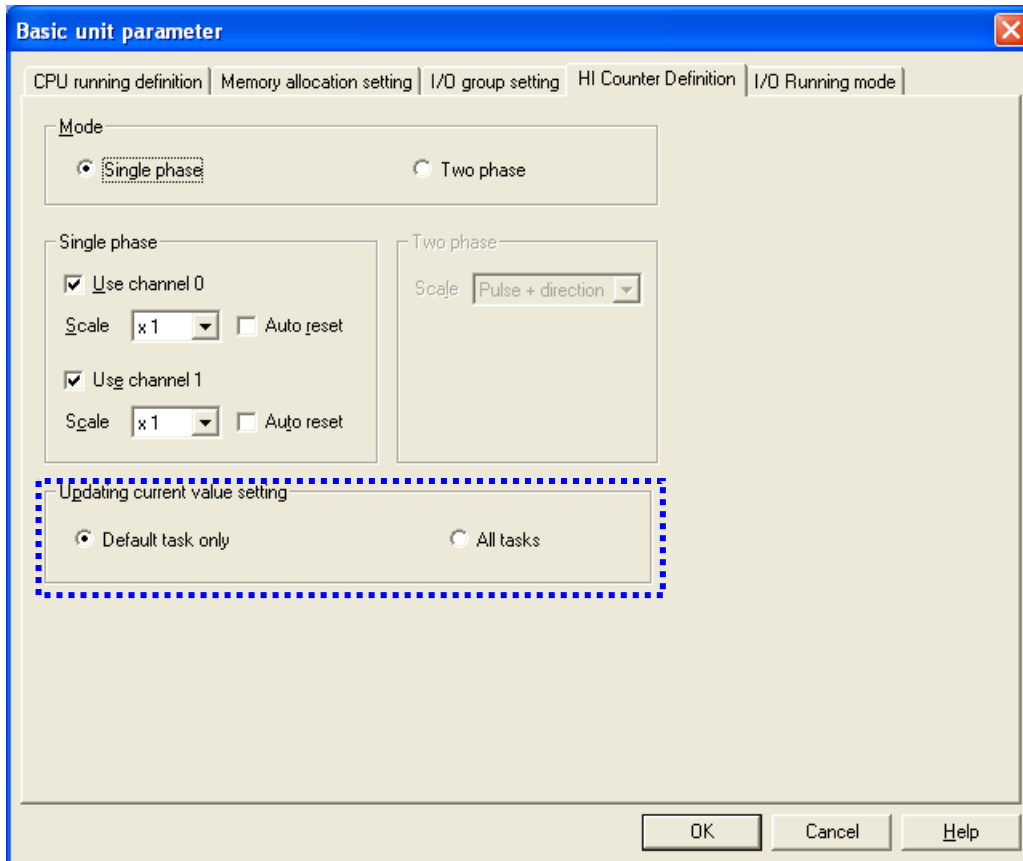
3. Functional Expansion

(1) Overview

With the new version, it is possible to update the current value of a high-speed counter in synchronization with a scheduled task or event task.

Conventionally, the current value of a high-speed counter was updated in synchronization with the execution of the default tasks, which involved a maximum execution time delay equivalent to the execution cycle of the default tasks.

With this expansion, the current value can be updated in synchronization with the execution of an individual task. Therefore, the execution time delay of the current value read in each task will be limited to a maximum period of the task execution time.



The updating of current value setting is by default set to *Default task only* to maintain compatibility with the previous version of the Board Controller.

(2) Notes

If the current value of the high-speed counter is read twice or more within a single task, the value that is read may not be consistent as the result of the execution of upstream tasks.