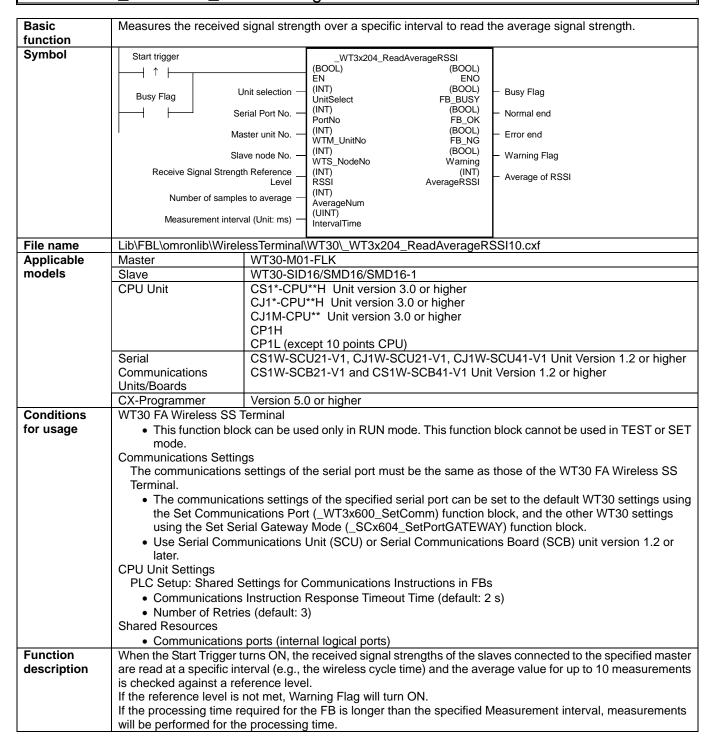
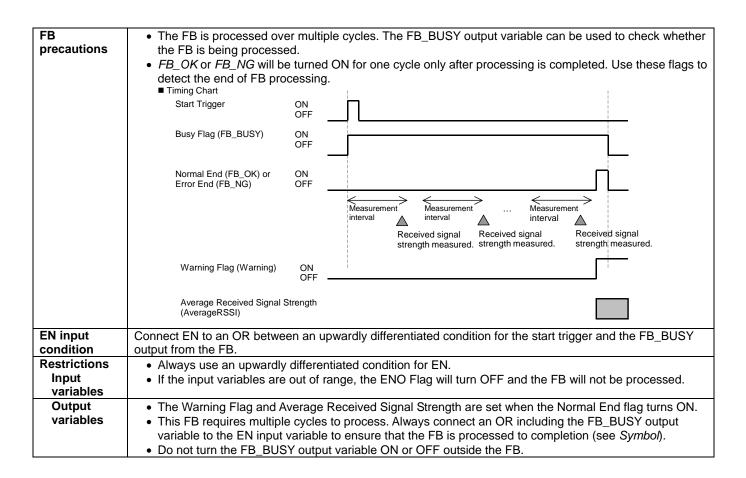
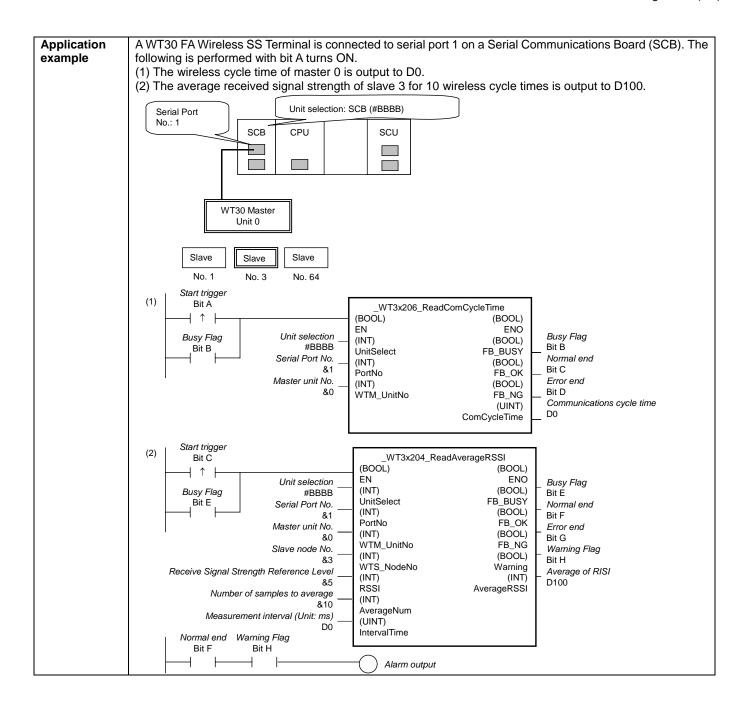
WT3x Read Average Receiving Signal Strength:
WT3x204 ReadAverageRSSI







Variable Tables Input Variables

Name	Variable name	Data type	Default	Range	Description
EN	EN	BOOL			ON: FB started
					OFF: FB not started.
Unit selection	UnitSelect	INT	&0	At right.	Specify the Unit and the serial port.
Serial Port No.	PortNo	INT	&1	&1 to &2	Only serial port 2 of CP1H/CP1L M-type
					CPU unit is possible to use this FB.
					■ Connected to CPU Unit Unit selection #FFFF
					Serial port No. Not accessed.
					(CP1H/CP1L-M: Serial Port2
					CP1L-L14/20: Serial Port1)
					■ Connected to Serial Communication Board(SCB) Unit selection #BBBB
					Serial port No. &1: Serial Port 1
					&2: Serial Port 2
					■ Connected to Serial Communication Unit(SCU) Unit selection SCU Unit No. (&0 to &15)
					Serial port No. &1: Serial Port 1
					&2: Serial Port 2
Master unit No.	WTM_UnitNo	INT	&0	&0 to &99	Specify the unit number of the master.
Slave node No.	WTS_NodeNo	INT	&1	&1 to &64	Specify slave node to measure the average
					received signal strength.
Receive Signal	RSSI	INT	&5	&0 to &9	Specify the received signal strength
Strength					reference level.
Reference Level					&5 is recommended.
Number of	AverageNum	INT	&1	&0 to &10	Specify the number of samples to average.
samples to					Maximum: 10 samples
average	1	1 115 17	0.0	001	
Measurement	IntervalTime	UINT	&0	&0 to	Specify the measurement interval (unit: ms).
interval (Unit: ms)				&65535	The measurement interval is specified in
					milliseconds, but the value will be truncated to increments of 10 ms in the FB.
					10 111011111111111111111111111111111111
					If the processing time required for the FB is longer than the specified interval,
					measurements will be performed for the
					processing time.
	1		1		processing time.

Output Variables

Name	Variable name	Data type	Range	Description
ENO	ENO	BOOL		ON: FB processed normally.
(May be omitted.)				OFF: FB not processed or ended in an error.
Busy Flag	FB_BUSY	BOOL		Automatically turns OFF when processing is completed.
Normal end	FB_OK	BOOL		Turns ON for one cycle when processing ends normally.
Error end	FB_NG	BOOL		Turns ON for one cycle when processing ends in an error.
Warning Flag	Warning	BOOL		ON: Reference level not met. OFF: Reference level met.
Average of RSSI	AverageRSSI	INT	&0 to &9	Outputs the average received signal strength.

Internal Variables

Internal variables are not output from the FB.

If the NG Flag from the FB turns ON, the following internal variables can be monitored to obtain information on the error.

Name	Variable name	Data type	Range	Description
FINS error code	FINS_ErrorCode	WORD		The FINS error code is output. A code of #0000 is
				output for a normal end. Refer to the Related Manuals
				for details on the error codes.
CompoWay/F	CompowayF_Error	WORD		Outputs the CompoWay/F error code. A code of #0000
error code	Code			is output for a normal end. See below for details on
				errors.

CompoWay/F Error Codes

Code	Contents	Meaning
#0000	Normal end	
#2203	Operation error	The operating mode is incorrect (execution is not possible in the current mode).
		An error occurred in EEPROM.

Version History

Version	Date	Contents	
1.00	2004.12.	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.