

V68x600	Set System Settings _V68x600_SetSystemSetting
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Basic unction Symbol	Sets the mode of the ID Sensor Unit.	
File name	Lib\FBL\omronlib\RFID\V680\ _V68x600_SetSystemSetting10.cxf	
Applicable models	ID Sensor Units	CS1W-V680C11/V680C12 and CJ1W-V680C11/V680C12
	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
	CX-Programmer	Version 5.0 or higher
Language used	Ladder Language	
Function description	<p>A unit operating mode settings.</p> <p>When the <i>Start Trigger</i> turns ON, the operating mode is set and a Unit restart is begun. A restart completion check is not performed for this FB.</p> <p>If you want to verify completion of the AR「Special I/O units restart flag(A502.00~)last differential」 see the logic to create please.</p>	
Kind of FB definition	<p>One-cycle execution type</p> <p>FB start as soon as this process is complete.</p> <p>Multiple points in the same instance. Why is internal to the state holding does not.</p>	
EN input condition	Any bit can be specified.	
Restrictions Input variables	<ul style="list-style-type: none"> • If the input variables are out of range, the ENO Flag will turn OFF and the FB will not be processed. • Always specify a antenna number of &1 for One-antenna ID Sensor Units (CS1W-V680C11 and CJ1W-V680C11). 	

Application example

The following example sets Antenna 1 of the ID Sensor Unit with unit number 3 at the start of operation.

Variable Name	Data Type	Default
Unit No.	(INT)	&3
Antenna No.	(INT)	&1
Tag Communications Speed Setting	(INT)	&0(Normal mode)
Write verification setting	(INT)	&0(Verify)
Operating mode setting	(INT)	&0(Enabled)
UID Addition Setting	(INT)	&0(UID not added)
Auto Wait Time Setting	(INT)	&100(10 s)
Write Protection Disable Setting	(INT)	&0(Write protection enabled.)
Antenna Connection Setting	(INT)	&0(Standard Antenna connected.)
Results Monitor Output Setting	(INT)	&0(Communications time)

Related manuals

ID Sensor Unit Operation Manual (SCHI-711)
4 I/O Data Allocations, DM Area Contents

■ Variable Tables

Input Variables

Name	Variable name	Data type	Default	Range	Description
EN	EN	BOOL			ON is executed when FB has been turned on. 1 (ON): FB started. 0 (OFF): FB not started.
Unit No.	UnitNo	INT	&0	&0~&95	Specify the unit number.
Antenna No.	AntennaNo	INT	&1	&1~&2	Specify the antenna number. &1: Antenna 1 &2: Antenna 2 (Two-antenna Controllers only)
Tag Communications Speed Setting	ComMode	INT	&0	&0~&1	This setting is valid only when accessing EEPROM ID Tags. It is ignored for FRAM ID Tags. &0: Normal mode &1: High-speed mode
Write verification setting	Verification	INT	&0	&0~&1	Verification can be enabled for write operations, or verification can be disabled to shorten the communications time. The verification setting is valid for all commands except for Read and Data Check with a processing specification of verification. &0: Verify &1: Do not verify
Operating mode setting	ComTestMode	INT	&0	&0~&1	This setting can be used to disable entering Test Mode using the test switch on the front panel of the ID Sensor Unit. The test switch can be disabled to prevent accidentally entering Test Mode. &0: Enabled &1: Disabled

UID Addition Setting	AddUID	INT	&0	&0~&1	These settings are used to set whether or not a UID will be added to the read command response. &0: UID not added &1: UID added
Auto Wait Time Setting	AutoWaitTime	INT	&0	&0~&9999	If a normal response is not received in communications with an ID Tag when the ID Tag has been detected, retry processing will be performed to resend the same command. Retry processing is performed until the Auto Wait Time has expired while the ID Sensor Unit is waiting for an ID Tag. The ID Tag wait status begins for a single auto specification, when command execution is started. From the second ID Tag for a repeat auto specification, it begins when communications with the previous ID Tag have been completed. Unit: 0.1 s &0: Infinite
Write Protection Disable Setting	WriteProtect	INT	&0	&0~&1	The write protection disable setting can be used to disable the write protection settings in ID Tags. &0: Write protection enabled. &1: Write protection disabled.
Antenna Connection Setting	AntennaType	INT	&0	&0~&1	The Antenna connection setting can be used to set whether or not a V680-H01 Antenna is connected to the ID Sensor Unit. &0: Standard Antenna connected. &1: V680-H01 Antenna connected.
Results Monitor Output Setting	ResultType	INT	&0	&0~&1	Results monitor output. &0: Communications time &1: Noise level

Output Variables

Name	Variable name	Data type	Default	Description
ENO (May be omitted.)	ENO	BOOL		1 (ON): FB processed normally. 0 (OFF): FB not processed or ended in an error.

Version History

Version	Date	Contents
1.00	2008.04.	Original production