

22. System Registers

This chapter introduces different types of registers.

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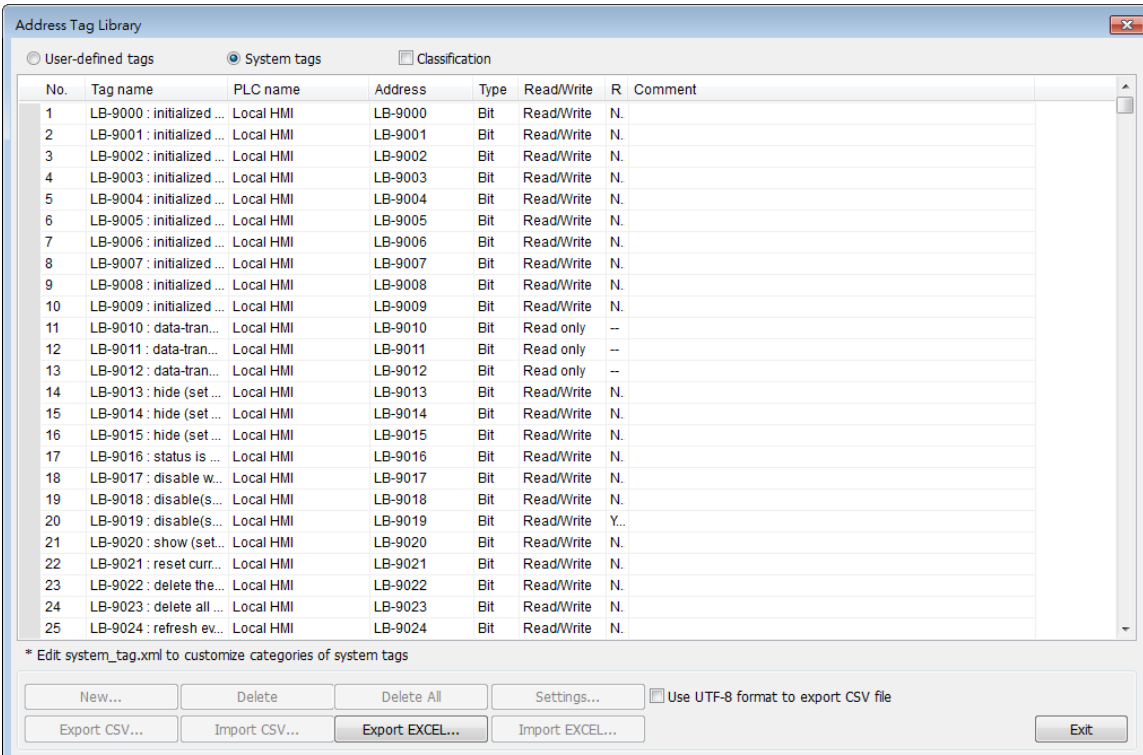
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22.1. Overview

Some Word and Bit addresses are reserved in EasyBuilder Pro. These registers are reserved for different functions. This chapter introduces different types of registers.

The “C” letter in the register tables stands for “Control”, which means that this register not only allows write operation, but also can be controlled by Macro or a remote HMI.

When using a cMT Series model, the PLW and PLB registers can be selected. LW/LB are local registers whereas PLW/PLB are client registers. The client device can be: cMT-iV5, iPad, Android device...etc. When connecting a cMT Series model with one or multiple client devices, the PLW/PLB registers can be set on the client devices.



No.	Tag name	PLC name	Address	Type	Read/Write	R	Comment
1	LB-9000 : initialized ...	Local HMI	LB-9000	Bit	Read/Write	N.	
2	LB-9001 : initialized ...	Local HMI	LB-9001	Bit	Read/Write	N.	
3	LB-9002 : initialized ...	Local HMI	LB-9002	Bit	Read/Write	N.	
4	LB-9003 : initialized ...	Local HMI	LB-9003	Bit	Read/Write	N.	
5	LB-9004 : initialized ...	Local HMI	LB-9004	Bit	Read/Write	N.	
6	LB-9005 : initialized ...	Local HMI	LB-9005	Bit	Read/Write	N.	
7	LB-9006 : initialized ...	Local HMI	LB-9006	Bit	Read/Write	N.	
8	LB-9007 : initialized ...	Local HMI	LB-9007	Bit	Read/Write	N.	
9	LB-9008 : initialized ...	Local HMI	LB-9008	Bit	Read/Write	N.	
10	LB-9009 : initialized ...	Local HMI	LB-9009	Bit	Read/Write	N.	
11	LB-9010 : data-tran...	Local HMI	LB-9010	Bit	Read only	--	
12	LB-9011 : data-tran...	Local HMI	LB-9011	Bit	Read only	--	
13	LB-9012 : data-tran...	Local HMI	LB-9012	Bit	Read only	--	
14	LB-9013 : hide (set ...	Local HMI	LB-9013	Bit	Read/Write	N.	
15	LB-9014 : hide (set ...	Local HMI	LB-9014	Bit	Read/Write	N.	
16	LB-9015 : hide (set ...	Local HMI	LB-9015	Bit	Read/Write	N.	
17	LB-9016 : status is ...	Local HMI	LB-9016	Bit	Read/Write	N.	
18	LB-9017 : disable w...	Local HMI	LB-9017	Bit	Read/Write	N.	
19	LB-9018 : disable(s...	Local HMI	LB-9018	Bit	Read/Write	N.	
20	LB-9019 : disable(s...	Local HMI	LB-9019	Bit	Read/Write	Y.	
21	LB-9020 : show (set...	Local HMI	LB-9020	Bit	Read/Write	N.	
22	LB-9021 : reset curr...	Local HMI	LB-9021	Bit	Read/Write	N.	
23	LB-9022 : delete the...	Local HMI	LB-9022	Bit	Read/Write	N.	
24	LB-9023 : delete all ...	Local HMI	LB-9023	Bit	Read/Write	N.	
25	LB-9024 : refresh ev...	Local HMI	LB-9024	Bit	Read/Write	N.	

* Edit system_tag.xml to customize categories of system tags

Buttons: New..., Delete, Delete All, Settings..., Use UTF-8 format to export CSV file, Export CSV..., Import CSV..., Export EXCEL..., Import EXCEL..., Exit

22.2. The Address Ranges of Local HMI

22.2.1. Bits

Register	Device Type	Range	Format
Local Bits	LB	0 ~ 12399	DDDDD
Client Bits	PLB	0 ~ 12399	DDDDD
Local Word Bits	LW_Bit	0 ~ 1150015	DDDDDdd DDDDD: address dd: bit no. (00 ~ 15)
Client Word Bits	PLW_Bit	0 ~ 1079915	DDDDDdd DDDDD: address dd: bit no. (00 ~ 15)
Retentive Bit Index	RBI	0 ~ 65535f	DDDDDh DDDDD: address h: bit no. (0 ~ f) Use LW-9000 as Index Register, and correspond to RW_Bit
Retentive Word Bits	RW_Bit	0 ~ 524287f	DDDDDh DDDDD: address h: bit no. (0 ~ f)
Retentive A Word Bits	RW_A_Bit	0 ~ 65535f	DDDDDh DDDDD: address h: bit no. (0 ~ f)

22.2.2. Words

Register	Device Type	Range	Format
Local Words	LW	0 ~ 11500	DDDDD
Client Words	PLW	0 ~ 10799	DDDDD
Retentive Words	RW	0 ~ 524287	DDDDDD
Retentive A Words	RW_A	0 ~ 65535	DDDDD
Retentive Word Index	RWI	0 ~ 65535	DDDDD Use LW-9000 as Index Register, and correspond to RW
Extended Memory Words	EM0 ~ EM9	0 ~ 1073741823	DDDDDDDDDD

22.3. System Registers

22.3.1. HMI Time

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LB-11958	time setting error (when ON) *Note 3	R	R	R
LW-9010	(16bit-BCD) : local second	R/W	R/C	R/C
LW-9011	(16bit-BCD) : local minute	R/W	R/C	R/C
LW-9012	(16bit-BCD) : local hour	R/W	R/C	R/C
LW-9013	(16bit-BCD) : local day	R/W	R/C	R/C
LW-9014	(16bit-BCD) : local month	R/W	R/C	R/C
LW-9015	(16bit-BCD) : local year	R/W	R/C	R/C
LW-9016	(16bit-BCD) : local week	R	R	R
LW-9017	(16bit) : local second	R/W	R/C	R/C
LW-9018	(16bit) : local minute	R/W	R/C	R/C
LW-9019	(16bit) : local hour	R/W	R/C	R/C
LW-9020	(16bit) : local day	R/W	R/C	R/C
LW-9021	(16bit) : local month	R/W	R/C	R/C
LW-9022	(16bit) : local year *Note 1	R/W	R/C	R/C
LW-9023	(16bit) : local week *Note 2	R	R	R
LW-9030	(32bit) : system time (unit : 0.1 second)	R	R	R
LW-9048	(16bit) : time (0 : AM, 1 : PM)	R/W	R/C	R/C
LW-9049	(16bit) : local hour (12-hour format)	R/W	R/C	R/C

Note

1. Value range: 2000 ~ 2037.
2. Value range: 0 ~ 6, stand for Sunday ~ Saturday.
3. When use LW-9010 to LW-9023 to update RTC time, the system will check if RTC time is successfully updated. If the system still fails to update RTC time, the system register [LB-11958: time setting error] will be set ON, and restore to the time before update. Updating time on PC during simulation by using LW-9010 to LW-9023 is ineffective.

22.3.2. HMI Operation

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LB-9018	disable(set ON)/enable (set OFF) mouse cursor	R/W	R/C	R/C
LB-9019	disable(set ON)/enable (set OFF) buzzer	R/W	R/C	R/C
LB-9020	show (set ON)/ hide (set OFF) system setting bar	R/W	R/C	R/C
LB-9033	disable(when on)/enable (when off) HMI upload function <i>*Note 1</i>	R/W	R/C	R
LB-9040	backlight up (set ON) <i>*Note 2</i>	W	C	C
LB-9041	backlight down (set ON) <i>*Note 2</i>	W	C	C
LB-9047	reboot HMI (set ON when LB-9048 is on)	W	C	C
LB-9048	reboot-HMI protection	R/W	R/C	R/C
LB-9062	open hardware setting dialog (set ON)	W	C	C
LB-9063	disable(set ON)/enable(set OFF) popping information dialog while finding an USB disk	R/W	R/C	R/C
LB-9064	enable USB barcode device (disable keyboard) (when ON) <i>*Note 5</i>	R/W	R/C	R
LB-11959	LED indicator control <i>*Note 4</i>	R/W	R/C	R/C
LB-12042	open/close [System information] dialog (set ON/set OFF)	R/W	R/C	R/C
LB-12051	buzzer status (active when ON)	R/W	R/C	R/C
LB-12360	CPU loading alarm (> 95%) <i>*Note 6</i>	R	R	R
LB-12364	show (set ON)/hide (set OFF) [Reset HMI to default] button in calibration mode	R/W	R/C	R/C
LW-9007	(16bit) : hardware index	R	R	R
LW-9008	(32bit-float) : battery voltage <i>*Note 3</i>	R	R	R
LW-9025	(16bit) : CPU loading (x 100%)	R	R	R
LW-9026	(16bit) : OS version (year)	R	R	R
LW-9027	(16bit) : OS version (month)	R	R	R
LW-9028	(16bit) : OS version (day)	R	R	R
LW-9040	(16bit) : backlight index <i>*Note 2</i>	R	R	R
LW-9051	(16bit) : audio volume (0 ~100)	R/W	R/C	R/C
LW-9054	(32bit) : HMI model ID	R	R	R
LW-9080	(16bit) : backlight saver time (unit : minute)	R/W	R/C	R/C
LW-9081	(16bit) : screen saver time (unit : minute)	R/W	R/C	R/C
LW-9141	(16bit) : HMI station no.	R/W	R/C	R/C
LW-9199	(16bit) : external keyboard layout : 0 (QWERTY), 1 (AZERTY)	R/W	R/C	R/C
LW-9350	(16bit) : pending command no. in local HMI	R	R	R
LW-10884	(16 words) : HMI name	R/W	R/C	R/C

LW-11155	(32bit) : the total size of HMI memory (K bytes)	R	R	R
LW-11157	(32bit) : the free size of HMI memory (K bytes)	R	R	R
LW-11159	(16bit) : memory loading (x 100%)	R	R	R
LW-11382	(16bit) : DIP switch status (bit 0 : DIP 1, bit 1 : DIP 2, bit 2 : DIP 3)	R	R	R

Note

1. After changing the settings, please reboot HMI for the updates to take effect.
2. Use LW-9040 together with LB-9040 ~ LB-9041 to adjust the backlight brightness, range: 0 ~ 31.
3. Only supported by eMT Series. When the battery voltage level, indicated by LW-9008, drops below 2.8V, battery replacement is recommended.
4. When multiple mTV or cMT-SVR devices are used, this register can be triggered to make the LED indicator blink for identifying the device.
5. LB-9064: Enable USB barcode device (disable keyboard).



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6. This register will be set to ON if CPU loading remains over 95% for 30 seconds.

22.3.3. Touch Position

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LW-9041	(16bit) : touch status word(bit 0 on = user is touching the screen)	R	R	R
LW-9042	(16bit) : touch x position	R	R	R
LW-9043	(16bit) : touch y position	R	R	R
LW-9044	(16bit) : leave x position	R	R	R
LW-9045	(16bit) : leave y position	R	R	R



Click the icon to download the demo project that explains how to how to trigger relevant registers to change page with finger slide. Please confirm your internet connection.

22.3.4. Local HMI Network Information

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LB-12041	refresh HMI ethernet information (DHCP, gateway, netmask, IP) (set ON)	R/W	R/C	R/C
LB-12094	update ethernet 1 setting (IP, netmask, gateway) (set ON)	R/W	R/C	R/C

LB-12095	update ethernet 2 setting (IP, netmask) (set ON)	R/W	R/C	R/C
LW-9125	(16bit) : HMI ethernet 1 gateway 0 (machine used only)	R/W	R/C	R/C
LW-9126	(16bit) : HMI ethernet 1 gateway 1 (machine used only)	R/W	R/C	R/C
LW-9127	(16bit) : HMI ethernet 1 gateway 2 (machine used only)	R/W	R/C	R/C
LW-9128	(16bit) : HMI ethernet 1 gateway 3 (machine used only)	R/W	R/C	R/C
LW-9129	(16bit) : HMI ethernet 1 IP 0 (machine used only)	R/W	R/C	R/C
LW-9130	(16bit) : HMI ethernet 1 IP 1 (machine used only)	R/W	R/C	R/C
LW-9131	(16bit) : HMI ethernet 1 IP 2 (machine used only)	R/W	R/C	R/C
LW-9132	(16bit) : HMI ethernet 1 IP 3 (machine used only)	R/W	R/C	R/C
LW-9133	(16bit) : ethernet port no.	R	R	R
LW-9135	(16bit) : HMI media access control (MAC) address 0	R	R	R
LW-9136	(16bit) : HMI media access control (MAC) address 1	R	R	R
LW-9137	(16bit) : HMI media access control (MAC) address 2	R	R	R
LW-9138	(16bit) : HMI media access control (MAC) address 3	R	R	R
LW-9139	(16bit) : HMI media access control (MAC) address 4	R	R	R
LW-9140	(16bit) : HMI media access control (MAC) address 5	R	R	R
LW-10750	(16bit) : HMI ethernet 1 Mask 0 (machine used only)	R/W	R/C	R/C
LW-10751	(16bit) : HMI ethernet 1 Mask 1 (machine used only)	R/W	R/C	R/C
LW-10752	(16bit) : HMI ethernet 1 Mask 2 (machine used only)	R/W	R/C	R/C
LW-10753	(16bit) : HMI ethernet 1 Mask 3 (machine used only)	R/W	R/C	R/C
LW-10786	(16bit) : HMI ethernet 2 IP 0 (machine used only)	R/W	R/C	R/C
LW-10787	(16bit) : HMI ethernet 2 IP 1 (machine used only)	R/W	R/C	R/C
LW-10788	(16bit) : HMI ethernet 2 IP 2 (machine used only)	R/W	R/C	R/C
LW-10789	(16bit) : HMI ethernet 2 IP 3 (machine used only)	R/W	R/C	R/C
LW-10790	(16bit) : HMI ethernet 2 netmask 0 (machine used only)	R/W	R/C	R/C
LW-10791	(16bit) : HMI ethernet 2 netmask 1 (machine used only)	R/W	R/C	R/C
LW-10792	(16bit) : HMI ethernet 2 netmask 2 (machine used only)	R/W	R/C	R/C
LW-10793	(16bit) : HMI ethernet 2 netmask 3 (machine used only)	R/W	R/C	R/C
LW-10794	(16bit) : HMI ethernet 2 gateway 0 (machine used only)	R/W	R/C	R/C
LW-10795	(16bit) : HMI ethernet 2 gateway 1 (machine used only)	R/W	R/C	R/C
LW-10796	(16bit) : HMI ethernet 2 gateway 2 (machine used only)	R/W	R/C	R/C
LW-10797	(16bit) : HMI ethernet 2 gateway 3 (machine used only)	R/W	R/C	R/C
LW-10798	(16bit) : ethernet 2 media access control (MAC) address 0	R	R	R
LW-10799	(16bit) : ethernet 2 media access control (MAC) address 1	R	R	R
LW-10800	(16bit) : ethernet 2 media access control (MAC) address 2	R	R	R
LW-10801	(16bit) : ethernet 2 media access control (MAC) address 3	R	R	R
LW-10802	(16bit) : ethernet 2 media access control (MAC) address 4	R	R	R

LW-10803	(16bit) : ethernet 2 media access control (MAC) address 5	R	R	R
LW-10804	(16bit) : HMI ethernet 1 domain name system (DNS) server IP0	R	R	R
LW-10805	(16bit) : HMI Ethernet 1 domain name system (DNS) server IP1	R	R	R
LW-10806	(16bit) : HMI Ethernet 1 domain name system (DNS) server IP2	R	R	R
LW-10807	(16bit) : HMI Ethernet 1 domain name system (DNS) server IP3	R	R	R
LW-10808	(16bit) : HMI ethernet 2 domain name system (DNS) server IP0	R	R	R
LW-10809	(16bit) : HMI ethernet 2 domain name system (DNS) server IP1	R	R	R
LW-10810	(16bit) : HMI ethernet 2 domain name system (DNS) server IP2	R	R	R
LW-10811	(16bit) : HMI ethernet 2 domain name system (DNS) server IP3	R	R	R
LW-10812	(16bit) : obtain an IP address automatically (DHCP => 0 : off, 1 : on)	R/W	R/C	R/C
LW-10813	(16bit) : obtain an ethernet 2 IP address automatically (DHCP => 0 : off, 1 : on)	R/W	R/C	R/C
LW-10815	(16bit) : link speed of ethernet 1 (0:failure, 10 (10M), 100 (100M), 1000 (1G))	R	R	R
LW-10816	(16bit) : link speed of ethernet 2 (0:failure, 10 (10M), 100 (100M), 1000 (1G))	R	R	R

22.3.5. Project File Information

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LW-9100	(16bit) : project name (16 words)	R	R	R
LW-9116	(32bit) : project size in bytes	R	R	R
LW-9118	(32bit) : project size in K bytes	R	R	R
LW-9120	(32bit) : compiler version	R	R	R
LW-9122	(16bit) : project compiled date [year]	R	R	R
LW-9123	(16bit) : project compiled date [month]	R	R	R
LW-9124	(16bit) : project compiled date [day]	R	R	R

LW-11440	(16bit) : project compiled time [hour] (24-hour format)	R	R	R
LW-11441	(16bit) : project compiled time [minute]	R	R	R
LW-11442	(16bit) : project compiled time [second]	R	R	R

22.3.6. Storage Space Management

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LB-9035	HMI free space insufficiency alarm (when ON)	R	R	R
LB-9036	SD card free space insufficiency alarm (when ON)	R	R	R
LB-9037	USB disk free space insufficiency alarm (when ON)	R	R	R
LB-12048	USB disk status (exists when ON)	R	R	R
LB-12050	SD card status (exists when ON)	R	R	R
LW-9070	(16bit) : free space insufficiency warning (Mega bytes)	R	R	R
LW-9071	(16bit) : reserved free space size (Mega bytes)	R	R	R
LW-9072	(32bit) : HMI current free space (K bytes)	R	R	R
LW-9074	(32bit) : SD current free space (K bytes)	R	R	R
LW-9076	(32bit) : USB disk current free space (K bytes)	R	R	R
LW-11458	(32bit) : HMI total space for history data (K bytes)	R	R	R
LW-11460	(32bit) : HMI current free space for history data (K bytes)	R	R	R



Click the icon to download the demo project that explains how to use LW-9072 ~ LW-9076 with Backup Object. Please confirm your internet connection.

22.3.7. Recipe and Extended Memory

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LB-9028	reset all recipe data (set ON)	W	C	C
LB-9029	save all recipe data to machine (set ON)	W	C	C
LB-9460	EM0's storage device (SD card) does not exist (when ON)	R	R	R
LB-9461	EM1's storage device (SD card) does not exist (when ON)	R	R	R
LB-9462	EM2's storage device (SD card) does not exist (when ON)	R	R	R
LB-9463	EM3's storage device (SD card) does not exist (when ON)	R	R	R
LB-9464	EM4's storage device (SD card) does not exist (when ON)	R	R	R
LB-9465	EM5's storage device (SD card) does not exist (when ON)	R	R	R
LB-9466	EM6's storage device (SD card) does not exist (when ON)	R	R	R

LB-9467	EM7's storage device (SD card) does not exist (when ON)	R	R	R
LB-9468	EM8's storage device (SD card) does not exist (when ON)	R	R	R
LB-9469	EM9's storage device (SD card) does not exist (when ON)	R	R	R
LB-9470	EM0's storage device (USB disk) does not exist (when ON)	R	R	R
LB-9471	EM1's storage device (USB disk) does not exist (when ON)	R	R	R
LB-9472	EM2's storage device (USB disk) does not exist (when ON)	R	R	R
LB-9473	EM3's storage device (USB disk) does not exist (when ON)	R	R	R
LB-9474	EM4's storage device (USB disk) does not exist (when ON)	R	R	R
LB-9475	EM5's storage device (USB disk) does not exist (when ON)	R	R	R
LB-9476	EM6's storage device (USB disk) does not exist (when ON)	R	R	R
LB-9477	EM7's storage device (USB disk) does not exist (when ON)	R	R	R
LB-9478	EM8's storage device (USB disk) does not exist (when ON)	R	R	R
LB-9479	EM9's storage device (USB disk) does not exist (when ON)	R	R	R
LB-12363	Prohibit recipe database update from remote HMI (set ON)	R/W	R/C	R/C

22.3.8. Data Sampling

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LB-9025	delete the earliest data sampling file on HMI memory (set ON)	W	C	C
LB-9026	delete all data sampling files on HMI memory (set ON)	W	C	C
LB-9027	refresh data sampling information on HMI memory (set ON)	W	C	C
LB-9034	save event/data sampling to HMI, USB disk, SD card (set ON) *Note 1	W	C	C
LB-11949	delete the earliest data sampling file on SD card (set ON)	W	C	C
LB-11950	delete all data sampling files on SD card (set ON)	W	C	C
LB-11951	refresh data sampling information on SD card (set ON)	W	C	C
LB-11952	delete the earliest data sampling file on USB disk (set ON)	W	C	C
LB-11953	delete all data sampling files on USB disk (set ON)	W	C	C
LB-11954	refresh data sampling information on USB disk (set ON)	W	C	C
LW-9063	(16bit) : no. of data sampling files on HMI memory	R	R	R
LW-9064	(32bit) : size of data sampling files on HMI memory (bytes)	R	R	R
LW-10489	(16bit) : no. of data sampling files on SD card	R	R	R
LW-10490	(32bit) : size of data sampling files on SD card (bytes)	R	R	R
LW-10492	(16bit) : no. of data sampling files on USB disk	R	R	R
LW-10493	(32bit) : size of data sampling files on USB disk (bytes)	R	R	R



1. The shortest interval between two successful executions is 2 seconds.
2. The registers for deleting or updating data samplings do not work during simulation on PC.

22.3.9. Event Log

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LB-9021	reset current event log (OFF->ON)	W	C	C
LB-9022	delete the earliest event log file on HMI memory (set ON)	W	C	C
LB-9023	delete all event log files on HMI memory (set ON)	W	C	C
LB-9024	refresh event log information on HMI memory (set ON)	W	C	C
LB-9034	save event/data sampling to HMI, USB disk, SD card (set ON) *Note 2	W	C	C
LB-9042	acknowledge all alarm events (set ON)	W	C	C
LB-9043	unacknowledged events exist (when ON)	R	R	R
LB-11940	delete the earliest event log file on SD card (set ON)	W	C	C
LB-11941	delete all event log files on SD card (set ON)	W	C	C
LB-11942	refresh event log information on SD card (set ON)	W	C	C
LB-11943	delete the earliest event log file on USB disk (set ON)	W	C	C
LB-11944	delete all event log files on USB disk (set ON)	W	C	C
LB-11945	refresh event log information on USB disk (set ON)	W	C	C
LB-12024	disable alarm buzzer (set ON)	W	C	C
LB-12399	status is on when alarm exists in any category	R	R	R
LB-12400	status is on when alarm exists in category 0	R	R	R
LB-12401	status is on when alarm exists in category 1	R	R	R
LB-12402	status is on when alarm exists in category 2	R	R	R
LB-12403	status is on when alarm exists in category 3	R	R	R
LB-12404	status is on when alarm exists in category 4	R	R	R
LB-12405	status is on when alarm exists in category 5	R	R	R
LB-12406	status is on when alarm exists in category 6	R	R	R
LB-12407	status is on when alarm exists in category 7	R	R	R
LB-12655	status is on when alarm exists in category 255	R	R	R
LW-9060	(16bit) : no. of event log files on HMI memory	R	R	R
LW-9061	(32bit) : size of event log files on HMI memory (bytes)	R	R	R
LW-9450	(16bit) : time tag of event log – second *Note 1	R/W	R/C	R/C

LW-9451	(16bit) : time tag of event log – minute *Note 1	R/W	R/C	R/C
LW-9452	(16bit) : time tag of event log – hour *Note 1	R/W	R/C	R/C
LW-9453	(16bit) : time tag of event log – day *Note 1	R/W	R/C	R/C
LW-9454	(16bit) : time tag of event log – month *Note 1	R/W	R/C	R/C
LW-9455	(16bit) : time tag of event log – year *Note 1	R/W	R/C	R/C
LW-10480	(16bit) : no. of event log files on SD card	R	R	R
LW-10481	(32bit) : size of event log files on SD card (bytes)	R	R	R
LW-10483	(16bit) : no. of event log files on USB disk	R	R	R
LW-10484	(32bit) : size of event log files on USB disk (bytes)	R	R	R
LW-11443	(16bit) : push notification alarm status (0 : none; 1 : green; 2 : yellow; 3 : red)	R	R	R
LW-11499	total no. of alarms	R	R	R
LW-11500	no. of alarms in category 0	R	R	R
LW-11501	no. of alarms in category 1	R	R	R
LW-11502	no. of alarms in category 2	R	R	R
LW-11503	no. of alarms in category 3	R	R	R
LW-11504	no. of alarms in category 4	R	R	R
LW-11505	no. of alarms in category 5	R	R	R
LW-11506	no. of alarms in category 6	R	R	R
LW-11507	no. of alarms in category 7	R	R	R
LW-11755	no. of alarms in category 255	R	R	R

Note

1. If LW-9450 ~ LW-9455 are used to get Event Log time, please enable in [system parameters] » [General].
2. The shortest interval between two successful executions is 2 seconds.
3. The registers for deleting or updating event logs do not work during simulation on PC.



Click the icon to download the demo project that explains how to use the system registers LW-9450 to LW-9455 to be the time tag of event log. Please confirm your internet connection.

22.3.10. Station Number Variables

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LW-10000	(16bit) : var0 - station no variable (usage : var0#address)	R/W	R/C	R/C
LW-10001	(16bit) : var1 - station no variable (usage : var1#address)	R/W	R/C	R/C
LW-10002	(16bit) : var2 - station no variable (usage : var2#address)	R/W	R/C	R/C

LW-10003	(16bit) : var3 - station no variable (usage : var3#address)	R/W	R/C	R/C
LW-10004	(16bit) : var4 - station no variable (usage : var4#address)	R/W	R/C	R/C
LW-10005	(16bit) : var5 - station no variable (usage : var5#address)	R/W	R/C	R/C
LW-10006	(16bit) : var6 - station no variable (usage : var6#address)	R/W	R/C	R/C
LW-10007	(16bit) : var7 - station no variable (usage : var7#address)	R/W	R/C	R/C
LW-10008	(16bit) : var8 - station no variable (usage : var8#address)	R/W	R/C	R/C
LW-10009	(16bit) : var9 - station no variable (usage : var9#address)	R/W	R/C	R/C
LW-10010	(16bit) : var10 - station no variable (usage : var10#address)	R/W	R/C	R/C
LW-10011	(16bit) : var11 - station no variable (usage : var11#address)	R/W	R/C	R/C
LW-10012	(16bit) : var12 - station no variable (usage : var12#address)	R/W	R/C	R/C
LW-10013	(16bit) : var13 - station no variable (usage : var13#address)	R/W	R/C	R/C
LW-10014	(16bit) : var14 - station no variable (usage : var14#address)	R/W	R/C	R/C
LW-10015	(16bit) : var15 - station no variable (usage : var15#address)	R/W	R/C	R/C



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22.3.11. Index Registers

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LW-9200	(16bit) : address index 0	R/W	R/C	R/C
LW-9201	(16bit) : address index 1	R/W	R/C	R/C
LW-9202	(16bit) : address index 2	R/W	R/C	R/C
LW-9203	(16bit) : address index 3	R/W	R/C	R/C
LW-9204	(16bit) : address index 4	R/W	R/C	R/C
LW-9205	(16bit) : address index 5	R/W	R/C	R/C
LW-9206	(16bit) : address index 6	R/W	R/C	R/C
LW-9207	(16bit) : address index 7	R/W	R/C	R/C
LW-9208	(16bit) : address index 8	R/W	R/C	R/C
LW-9209	(16bit) : address index 9	R/W	R/C	R/C
LW-9210	(16bit) : address index 10	R/W	R/C	R/C
LW-9211	(16bit) : address index 11	R/W	R/C	R/C
LW-9212	(16bit) : address index 12	R/W	R/C	R/C
LW-9213	(16bit) : address index 13	R/W	R/C	R/C
LW-9214	(16bit) : address index 14	R/W	R/C	R/C
LW-9215	(16bit) : address index 15	R/W	R/C	R/C
LW-9230	(32bit) : address index 16	R/W	R/C	R/C
LW-9232	(32bit) : address index 17	R/W	R/C	R/C
LW-9234	(32bit) : address index 18	R/W	R/C	R/C
LW-9236	(32bit) : address index 19	R/W	R/C	R/C
LW-9238	(32bit) : address index 20	R/W	R/C	R/C
LW-9240	(32bit) : address index 21	R/W	R/C	R/C
LW-9242	(32bit) : address index 22	R/W	R/C	R/C
LW-9244	(32bit) : address index 23	R/W	R/C	R/C
LW-9246	(32bit) : address index 24	R/W	R/C	R/C
LW-9248	(32bit) : address index 25	R/W	R/C	R/C
LW-9250	(32bit) : address index 26	R/W	R/C	R/C
LW-9252	(32bit) : address index 27	R/W	R/C	R/C
LW-9254	(32bit) : address index 28	R/W	R/C	R/C
LW-9256	(32bit) : address index 29	R/W	R/C	R/C
LW-9258	(32bit) : address index 30	R/W	R/C	R/C
LW-9260	(32bit) : address index 31	R/W	R/C	R/C



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22.3.12. MODBUS Server Communication

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LB-9055	MODBUS server (COM 1) receives a request (when ON)	R	R	R
LB-9056	MODBUS server (COM 2) receives a request (when ON)	R	R	R
LB-9057	MODBUS server (COM 3) receives a request (when ON)	R	R	R
LB-9058	MODBUS server (ethernet) receives a request (when ON)	R	R	R
LB-12052	MODBUS server status (disabled when ON)	R/W	R/C	R/C
LW-9270	(16bit) : request's function code - MODBUS server (COM 1)	R	R	R
LW-9271	(16bit) : request's starting address - MODBUS server (COM 1)	R	R	R
LW-9272	(16bit) : request's quantity of registers - MODBUS server (COM 1)	R	R	R
LW-9275	(16bit) : request's function code - MODBUS server (COM 2)	R	R	R
LW-9276	(16bit) : request's starting address - MODBUS server (COM 2)	R	R	R
LW-9277	(16bit) : request's quantity of registers - MODBUS server (COM 2)	R	R	R
LW-9280	(16bit) : request's function code - MODBUS server (COM 3)	R	R	R
LW-9281	(16bit) : request's starting address - MODBUS server (COM 3)	R	R	R
LW-9282	(16bit) : request's quantity of registers - MODBUS server (COM 3)	R	R	R
LW-9285	(16bit) : request's function code - MODBUS server (ethernet)	R	R	R
LW-9286	(16bit) : request's starting address - MODBUS server (ethernet)	R	R	R
LW-9287	(16bit) : request's quantity of registers - MODBUS server (ethernet)	R	R	R
LW-9288	(16bit) : last error code - MODBUS server (ethernet)	R	R	R
LW-9541	(16bit) : MODBUS/ASCII server station no. (COM 1)	R/W	R/C	R/C
LW-9542	(16bit) : MODBUS/ASCII server station no. (COM 2)	R/W	R/C	R/C
LW-9543	(16bit) : MODBUS/ASCII server station no. (COM 3)	R/W	R/C	R/C
LW-9544	(16bit) : MODBUS/ASCII server station no. (ethernet)	R/W	R/C	R/C
LW-9570	(32bit) : received data count (bytes) (COM 1 MODBUS server)	R	R	R

LW-9572	(32bit) : received data count (bytes) (COM 2 MODBUS server)	R	R	R
LW-9574	(32bit) : received data count (bytes) (COM 3 MODBUS server)	R	R	R
LW-9576	(32bit) : received data count (bytes) (Ethernet MODBUS server)	R	R	R

22.3.13. Communication Parameter Settings

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LB-9030	activate COM 1 new communication settings (LW-9550~9554) (set ON)	R/W	R/C	R/C
LB-9031	activate COM 2 new communication settings (LW-9555~9559) (set ON)	R/W	R/C	R/C
LB-9032	activate COM 3 new communication settings (LW-9560~9564) (set ON)	R/W	R/C	R/C
LB-9065	disable/enable COM 1 broadcast station no.	R/W	R/C	R/C
LB-9066	disable/enable COM 2 broadcast station no.	R/W	R/C	R/C
LB-9067	disable/enable COM 3 broadcast station no.	R/W	R/C	R/C
LW-9550	(16bit) : COM 1 mode (0:RS232,1:RS485 2W,2:RS485 4W) (use LB-9030 to activate all communication settings)	R/W	R/C	R/C
LW-9551	(16bit) : COM 1 baud rate (7:1200,8:2400,0:4800,1:9600,10:14400, 2:19200,11:28800,3:38400,4:57600,..) *Note 1	R/W	R/C	R/C
LW-9552	(16bit) : COM 1 databits (7 : 7 bits, 8 : 8 bits)	R/W	R/C	R/C
LW-9553	(16bit) : COM 1 parity (0:none, 1:even, 2:odd, 3:mark, 4:space)	R/W	R/C	R/C
LW-9554	(16bit) : COM 1 stop bits (1 : 1 bit, 2 : 2 bits)	R/W	R/C	R/C
LW-9555	(16bit) : COM 2 mode (0:RS232,1:RS485 2W,2:RS485 4W) (use LB-9031 to activate all communication settings)	R/W	R/C	R/C
LW-9556	(16bit) : COM 2 baud rate (7:1200,8:2400,0:4800,1:9600,10:14400, 2:19200,11:28800,3:38400,4:57600,..) *Note 1	R/W	R/C	R/C
LW-9557	(16bit) : COM 2 databits (7 : 7 bits, 8 : 8 bits)	R/W	R/C	R/C
LW-9558	(16bit) : COM 2 parity (0:none, 1:even, 2:odd, 3:mark, 4:space)	R/W	R/C	R/C

LW-9559	(16bit) : COM 2 stop bits (1 : 1 bit, 2 : 2 bits)	R/W	R/C	R/C
LW-9560	(16bit) : COM 3 mode (0:RS232,1:RS485 2W) (use LB-9032 to activate all communication settings)	R/W	R/C	R/C
LW-9561	(16bit) : COM 3 baud rate (7:1200,8:2400,0:4800,1:9600,10:14400, 2:19200,11:28800,3:38400,4:57600,...) *Note 1	R/W	R/C	R/C
LW-9562	(16bit) : COM 3 databits (7 : 7 bits, 8 : 8 bits)	R/W	R/C	R/C
LW-9563	(16bit) : COM 3 parity (0:none, 1:even, 2:odd, 3:mark, 4:space)	R/W	R/C	R/C
LW-9564	(16bit) : COM 3 stop bits (1 : 1 bit, 2 : 2 bits)	R/W	R/C	R/C
LW-9565	(16bit) : COM 1 broadcast station no.	R/W	R/C	R/C
LW-9566	(16bit) : COM 2 broadcast station no.	R/W	R/C	R/C
LW-9567	(16bit) : COM 3 broadcast station no.	R/W	R/C	R/C
LW-10500	(16bit) : PLC 1 timeout (unit : 100ms, 0 : 50ms)	R/W	R/C	R/C
LW-10501	(16bit) : PLC 1 turn around delay (unit : ms)	R/W	R/C	R/C
LW-10502	(16bit) : PLC 1 send ACK delay (unit : ms)	R/W	R/C	R/C
LW-10503	(16bit) : PLC 1 parameter 1	R/W	R/C	R/C
LW-10504	(16bit) : PLC 1 parameter 2	R/W	R/C	R/C
LW-10505	(16bit) : PLC 2 timeout (unit : 100ms, 0 : 50ms)	R/W	R/C	R/C
LW-10506	(16bit) : PLC 2 turn around delay (unit : ms)	R/W	R/C	R/C
LW-10507	(16bit) : PLC 2 send ACK delay (unit : ms)	R/W	R/C	R/C
LW-10508	(16bit) : PLC 2 parameter 1	R/W	R/C	R/C
LW-10509	(16bit) : PLC 2 parameter 2	R/W	R/C	R/C
LW-10510	(16bit) : PLC 3 timeout (unit : 100ms, 0 : 50ms)	R/W	R/C	R/C
LW-10511	(16bit) : PLC 3 turn around delay (unit : ms)	R/W	R/C	R/C
LW-10512	(16bit) : PLC 3 send ACK delay (unit : ms)	R/W	R/C	R/C
LW-10513	(16bit) : PLC 3 parameter 1	R/W	R/C	R/C
LW-10514	(16bit) : PLC 3 parameter 2	R/W	R/C	R/C
LW-10515	(16bit) : PLC 4 timeout (unit : 100ms)	R/W	R/C	R/C
LW-10516	(16bit) : PLC 4 turn around delay (unit : ms)	R/W	R/C	R/C
LW-10517	(16bit) : PLC 4 send ACK delay (unit : ms) (SIEMENS S7/400 Link type)	R/W	R/C	R/C
LW-10518	(16bit) : PLC 4 parameter 1 (SIEMENS S7/400 rack)	R/W	R/C	R/C
LW-10519	(16bit) : PLC 4 parameter 2 (SIEMENS S7/400 CPU slot)	R/W	R/C	R/C
LW-10520	(16bit) : PLC 5 timeout (unit : 100ms)	R/W	R/C	R/C
LW-10521	(16bit) : PLC 5 turn around delay (unit : ms)	R/W	R/C	R/C
LW-10522	(16bit) : PLC 5 send ACK delay (unit : ms) (SIEMENS S7/400	R/W	R/C	R/C

	Link type)			
LW-10523	(16bit) : PLC 5 parameter 1 (SIEMENS S7/400 rack)	R/W	R/C	R/C
LW-10524	(16bit) : PLC 5 parameter 2 (SIEMENS S7/400 CPU slot)	R/W	R/C	R/C
LW-10525	(16bit) : PLC 6 timeout (unit : 100ms)	R/W	R/C	R/C
LW-10526	(16bit) : PLC 6 turn around delay (unit : ms)	R/W	R/C	R/C
LW-10527	(16bit) : PLC 6 send ACK delay (unit : ms) (SIEMENS S7/400 Link type)	R/W	R/C	R/C
LW-10528	(16bit) : PLC 6 parameter 1 (SIEMENS S7/400 rack)	R/W	R/C	R/C
LW-10529	(16bit) : PLC 6 parameter 2 (SIEMENS S7/400 CPU slot)	R/W	R/C	R/C
LW-10530	(16bit) : PLC 7 timeout (unit : 100ms)	R/W	R/C	R/C
LW-10531	(16bit) : PLC 7 turn around delay (unit : ms)	R/W	R/C	R/C
LW-10532	(16bit) : PLC 7 send ACK delay (unit : ms) (SIEMENS S7/400 Link type)	R/W	R/C	R/C
LW-10533	(16bit) : PLC 7 parameter 1 (SIEMENS S7/400 rack)	R/W	R/C	R/C
LW-10534	(16bit) : PLC 7 parameter 2 (SIEMENS S7/400 CPU slot)	R/W	R/C	R/C
LW-10535	(16bit) : PLC 8 timeout (unit : 100ms)	R/W	R/C	R/C
LW-10536	(16bit) : PLC 8 turn around delay (unit : ms)	R/W	R/C	R/C
LW-10537	(16bit) : PLC 8 send ACK delay (unit : ms) (SIEMENS S7/400 Link type)	R/W	R/C	R/C
LW-10538	(16bit) : PLC 8 parameter 1 (SIEMENS S7/400 rack)	R/W	R/C	R/C
LW-10539	(16bit) : PLC 8 parameter 2 (SIEMENS S7/400 CPU slot)	R/W	R/C	R/C
LW-10655	(16bit) : PLC 32 timeout (unit : 100ms)	R/W	R/C	R/C
LW-10656	(16bit) : PLC 32 turn around delay (unit : ms)	R/W	R/C	R/C
LW-10657	(16bit) : PLC 32 send ACK delay (unit : ms)	R/W	R/C	R/C
LW-10658	(16bit) : PLC 32 parameter 1	R/W	R/C	R/C
LW-10659	(16bit) : PLC 32 parameter 2	R/W	R/C	R/C

 **Note**

1. The Baud Rates are: 0:4800, 1:9600, 2:19200, 3:38400, 4:57600, 5:115200, 6:187.5K, 7:1200, 8:2400, 10:14400, 11:28800, 12:76800

22.3.14. Communication Status and Control with PLC (COM)

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LB-9150	auto. connection for PLC 1 (COM 1) (when ON)	R/W	R/C	R/C
LB-9151	auto. connection for PLC 2 (COM 2) (when ON)	R/W	R/C	R/C
LB-9152	auto. connection for PLC 3 (COM 3) (when ON)	R/W	R/C	R/C
LB-9200	PLC 1 status (SN0, COM 1), set on to retry connection.	R/W	R/C	R/C
LB-9201	PLC 1 status (SN1, COM 1), set on to retry connection	R/W	R/C	R/C
LB-9202	PLC 1 status (SN2, COM 1), set on to retry connection	R/W	R/C	R/C
LB-9203	PLC 1 status (SN3, COM 1), set on to retry connection	R/W	R/C	R/C
LB-9204	PLC 1 status (SN4, COM 1), set on to retry connection	R/W	R/C	R/C
LB-9205	PLC 1 status (SN5, COM 1), set on to retry connection	R/W	R/C	R/C
LB-9206	PLC 1 status (SN6, COM 1), set on to retry connection	R/W	R/C	R/C
LB-9207	PLC 1 status (SN7, COM 1), set on to retry connection	R/W	R/C	R/C
LB-9455	PLC 1 status (SN255, COM 1), set on to retry connection	R/W	R/C	R/C
LB-9500	PLC 2 status (SN0, COM 2), set on to retry connection.	R/W	R/C	R/C
LB-9501	PLC 2 status (SN1, COM 2), set on to retry connection	R/W	R/C	R/C
LB-9502	PLC 2 status (SN2, COM 2), set on to retry connection	R/W	R/C	R/C
LB-9503	PLC 2 status (SN3, COM 2), set on to retry connection	R/W	R/C	R/C
LB-9504	PLC 2 status (SN4, COM 2), set on to retry connection	R/W	R/C	R/C
LB-9505	PLC 2 status (SN5, COM 2), set on to retry connection	R/W	R/C	R/C
LB-9506	PLC 2 status (SN6, COM 2), set on to retry connection	R/W	R/C	R/C
LB-9507	PLC 2 status (SN7, COM 2), set on to retry connection	R/W	R/C	R/C
LB-9755	PLC 2 status (SN255, COM 2), set on to retry connection	R/W	R/C	R/C
LB-9800	PLC 3 status (SN0, COM 3), set on to retry connection	R/W	R/C	R/C
LB-9801	PLC 3 status (SN1, COM 3), set on to retry connection	R/W	R/C	R/C
LB-9802	PLC 3 status (SN2, COM 3), set on to retry connection	R/W	R/C	R/C
LB-9803	PLC 3 status (SN3, COM 3), set on to retry connection	R/W	R/C	R/C
LB-9804	PLC 3 status (SN4, COM 3), set on to retry connection	R/W	R/C	R/C
LB-9805	PLC 3 status (SN5, COM 3), set on to retry connection	R/W	R/C	R/C
LB-9806	PLC 3 status (SN6, COM 3), set on to retry connection	R/W	R/C	R/C
LB-9807	PLC 3 status (SN7, COM 3), set on to retry connection	R/W	R/C	R/C
LB-10055	PLC 3 status (SN255, COM 3), set on to retry connection	R/W	R/C	R/C
LB-12030	COM 1 status (OFF : normal, ON : open failed) *Note 1	R	R	R
LB-12031	COM 2 status (OFF : normal, ON : open failed)	R	R	R
LB-12032	COM 3 status (OFF : normal, ON : open failed)	R	R	R

LB-12033	COM 4 status (OFF : normal, ON : open failed)	R	R	R
LB-12034	COM 5 status (OFF : normal, ON : open failed)	R	R	R
LB-12035	COM 6 status (OFF : normal, ON : open failed)	R	R	R
LB-12036	COM 7 status (OFF : normal, ON : open failed)	R	R	R
LB-12037	COM 8 status (OFF : normal, ON : open failed)	R	R	R
LB-12038	COM 9 status (OFF : normal, ON : open failed)	R	R	R
LW-9351	(16bit) : pending command no. in PLC 1 (COM 1)	R	R	R
LW-9352	(16bit) : pending command no. in PLC 2 (COM 2)	R	R	R
LW-9353	(16bit) : pending command no. in PLC 3 (COM 3)	R	R	R

Note

1. The ON state of COM is for checking if COM is occupied by other program during simulation on PC.

22.3.15. Communication Status and Control with PLC (Ethernet)

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LB-9153	auto. connection for PLC 4 (ethernet) (when ON)	R/W	R/C	R/C
LB-9154	auto. connection for PLC 5 (ethernet) (when ON)	R/W	R/C	R/C
LB-9155	auto. connection for PLC 6 (ethernet) (when ON)	R/W	R/C	R/C
LB-9156	auto. connection for PLC 7 (ethernet) (when ON)	R/W	R/C	R/C
LB-9157	auto. connection for PLC 8 (ethernet) (when ON)	R/W	R/C	R/C
LB-9158	auto. connection for PLC 9 (ethernet) (when ON)	R/W	R/C	R/C
LB-9189	auto. connection for PLC 40 (ethernet) (when ON)	R/W	R/C	R/C
LB-10070	forced to reconnect PLC 4 (ethernet) when IP or system parameters changed on-line (set ON)	R/W	R/C	R/C
LB-10071	forced to reconnect PLC 5 (ethernet) when IP or system parameters changed on-line (set ON)	R/W	R/C	R/C
LB-10072	forced to reconnect PLC 6 (ethernet) when IP or system parameters changed on-line (set ON)	R/W	R/C	R/C
LB-10073	forced to reconnect PLC 7 (ethernet) when IP or system parameters changed on-line (set ON)	R/W	R/C	R/C
LB-10074	forced to reconnect PLC 8 (ethernet) when IP or system parameters changed on-line (set ON)	R/W	R/C	R/C
LB-10075	forced to reconnect PLC 9 (ethernet) when IP or system parameters changed on-line (set ON)	R/W	R/C	R/C
LB-10099	forced to reconnect PLC 33 (ethernet) when IP or system	R/W	R/C	R/C

	parameters changed on-line (set ON)			
LB-10100	PLC 4 status (ethernet), set on to retry connection	R/W	R/C	R/C
LB-10101	PLC 4 status (SN0, ethernet), set on to retry connection	R/W	R/C	R/C
LB-10102	PLC 4 status (SN1, ethernet), set on to retry connection	R/W	R/C	R/C
LB-10103	PLC 4 status (SN2, ethernet), set on to retry connection	R/W	R/C	R/C
LB-10104	PLC 4 status (SN3, ethernet), set on to retry connection	R/W	R/C	R/C
LB-10105	PLC 4 status (SN4, ethernet), set on to retry connection	R/W	R/C	R/C
LB-10106	PLC 4 status (SN5, ethernet), set on to retry connection	R/W	R/C	R/C
LB-10107	PLC 4 status (SN6, ethernet), set on to retry connection	R/W	R/C	R/C
LB-10108	PLC 4 status (SN7, ethernet), set on to retry connection	R/W	R/C	R/C
LB-10356	PLC 4 status (SN255, ethernet), set on to retry connection	R/W	R/C	R/C
LB-10400	PLC 5 status (ethernet), set on to retry connection	R/W	R/C	R/C
LB-10401	PLC 5 status (SN0, ethernet), set on to retry connection	R/W	R/C	R/C
LB-10402	PLC 5 status (SN1, ethernet), set on to retry connection	R/W	R/C	R/C
LB-10403	PLC 5 status (SN2, ethernet), set on to retry connection	R/W	R/C	R/C
LB-10404	PLC 5 status (SN3, ethernet), set on to retry connection	R/W	R/C	R/C
LB-10405	PLC 5 status (SN4, ethernet), set on to retry connection	R/W	R/C	R/C
LB-10406	PLC 5 status (SN5, ethernet), set on to retry connection	R/W	R/C	R/C
LB-10407	PLC 5 status (SN6, ethernet), set on to retry connection	R/W	R/C	R/C
LB-10408	PLC 5 status (SN7, ethernet), set on to retry connection	R/W	R/C	R/C
LB-10656	PLC 5 status (SN255, ethernet), set on to retry connection	R/W	R/C	R/C
LB-10700	PLC 6 status (ethernet), set on to retry connection	R/W	R/C	R/C
LB-10701	PLC 6 status (SN0, ethernet), set on to retry connection	R/W	R/C	R/C
LB-10702	PLC 6 status (SN1, ethernet), set on to retry connection	R/W	R/C	R/C
LB-10703	PLC 6 status (SN2, ethernet), set on to retry connection	R/W	R/C	R/C
LB-10704	PLC 6 status (SN3, ethernet), set on to retry connection	R/W	R/C	R/C
LB-10705	PLC 6 status (SN4, ethernet), set on to retry connection	R/W	R/C	R/C
LB-10706	PLC 6 status (SN5, ethernet), set on to retry connection	R/W	R/C	R/C
LB-10707	PLC 6 status (SN6, ethernet), set on to retry connection	R/W	R/C	R/C
LB-10708	PLC 6 status (SN7, ethernet), set on to retry connection	R/W	R/C	R/C
LB-10956	PLC 6 status (SN255, ethernet), set on to retry connection	R/W	R/C	R/C
LB-11000	PLC 7 status (ethernet), set on to retry connection	R/W	R/C	R/C
LB-11001	PLC 7 status (SN0, ethernet), set on to retry connection	R/W	R/C	R/C
LB-11002	PLC 7 status (SN1, ethernet), set on to retry connection	R/W	R/C	R/C
LB-11003	PLC 7 status (SN2, ethernet), set on to retry connection	R/W	R/C	R/C
LB-11004	PLC 7 status (SN3, ethernet), set on to retry connection	R/W	R/C	R/C
LB-11005	PLC 7 status (SN4, ethernet), set on to retry connection	R/W	R/C	R/C

LB-11006	PLC 7 status (SN5, ethernet), set on to retry connection	R/W	R/C	R/C
LB-11007	PLC 7 status (SN6, ethernet), set on to retry connection	R/W	R/C	R/C
LB-11008	PLC 7 status (SN7, ethernet), set on to retry connection	R/W	R/C	R/C
LB-11256	PLC 7 status (SN255, ethernet), set on to retry connection	R/W	R/C	R/C
LB-11300	PLC 8 status (ethernet), set on to retry connection	R/W	R/C	R/C
LB-11301	PLC 8 status (SN0, ethernet), set on to retry connection	R/W	R/C	R/C
LB-11302	PLC 8 status (SN1, ethernet), set on to retry connection	R/W	R/C	R/C
LB-11303	PLC 8 status (SN2, ethernet), set on to retry connection	R/W	R/C	R/C
LB-11304	PLC 8 status (SN3, ethernet), set on to retry connection	R/W	R/C	R/C
LB-11305	PLC 8 status (SN4, ethernet), set on to retry connection	R/W	R/C	R/C
LB-11306	PLC 8 status (SN5, ethernet), set on to retry connection	R/W	R/C	R/C
LB-11307	PLC 8 status (SN6, ethernet), set on to retry connection	R/W	R/C	R/C
LB-11308	PLC 8 status (SN7, ethernet), set on to retry connection	R/W	R/C	R/C
LB-11556	PLC 8 status (SN255, ethernet), set on to retry connection	R/W	R/C	R/C
LB-11600	PLC 9 status (ethernet), set on to retry connection	R/W	R/C	R/C
LB-11601	PLC 9 status (SN0, ethernet), set on to retry connection	R/W	R/C	R/C
LB-11602	PLC 9 status (SN1, ethernet), set on to retry connection	R/W	R/C	R/C
LB-11603	PLC 9 status (SN2, ethernet), set on to retry connection	R/W	R/C	R/C
LB-11604	PLC 9 status (SN3, ethernet), set on to retry connection	R/W	R/C	R/C
LB-11605	PLC 9 status (SN4, ethernet), set on to retry connection	R/W	R/C	R/C
LB-11606	PLC 9 status (SN5, ethernet), set on to retry connection	R/W	R/C	R/C
LB-11607	PLC 9 status (SN6, ethernet), set on to retry connection	R/W	R/C	R/C
LB-11608	PLC 9 status (SN7, ethernet), set on to retry connection	R/W	R/C	R/C
LB-11856	PLC 9 status (SN255, ethernet), set on to retry connection	R/W	R/C	R/C
LB-11900	PLC 10 status (ethernet), set on to retry connection	R/W	R/C	R/C
LB-11901	PLC 11 status (ethernet), set on to retry connection	R/W	R/C	R/C
LB-11902	PLC 12 status (ethernet), set on to retry connection	R/W	R/C	R/C
LB-11903	PLC 13 status (ethernet), set on to retry connection	R/W	R/C	R/C
LB-11904	PLC 14 status (ethernet), set on to retry connection	R/W	R/C	R/C
LB-11905	PLC 15 status (ethernet), set on to retry connection	R/W	R/C	R/C
LB-11906	PLC 16 status (ethernet), set on to retry connection	R/W	R/C	R/C
LB-11939	PLC 49 status (ethernet), set on to retry connection	R/W	R/C	R/C
LW-9354	(16bit) : pending command no. in PLC 4 (ethernet)	R	R	R
LW-9355	(16bit) : pending command no. in PLC 5 (ethernet)	R	R	R
LW-9356	(16bit) : pending command no. in PLC 6 (ethernet)	R	R	R

LW-9357	(16bit) : pending command no. in PLC 7 (ethernet)	R	R	R
LW-9389	(16bit) : pending command no. in PLC 39 (ethernet)	R	R	R
LW-9600	(16bit) : PLC 4's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9601	(16bit) : PLC 4's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9602	(16bit) : PLC 4's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9603	(16bit) : PLC 4's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9604	(16bit) : PLC 4's port no.	R/W	R/C	R/C
LW-9605	(16bit) : PLC 5's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9606	(16bit) : PLC 5's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9607	(16bit) : PLC 5's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9608	(16bit) : PLC 5's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9609	(16bit) : PLC 5's port no.	R/W	R/C	R/C
LW-9610	(16bit) : PLC 6's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9611	(16bit) : PLC 6's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9612	(16bit) : PLC 6's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9613	(16bit) : PLC 6's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9614	(16bit) : PLC 6's port no.	R/W	R/C	R/C
LW-9615	(16bit) : PLC 7's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9616	(16bit) : PLC 7's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9617	(16bit) : PLC 7's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9618	(16bit) : PLC 7's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9619	(16bit) : PLC 7's port no.	R/W	R/C	R/C
LW-9620	(16bit) : PLC 8's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9621	(16bit) : PLC 8's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9622	(16bit) : PLC 8's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9623	(16bit) : PLC 8's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9624	(16bit) : PLC 8's port no.	R/W	R/C	R/C
LW-9625	(16bit) : PLC 9's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9626	(16bit) : PLC 9's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9627	(16bit) : PLC 9's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9628	(16bit) : PLC 9's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9629	(16bit) : PLC 9's port no.	R/W	R/C	R/C
LW-9765	(16bit) : PLC 37's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9766	(16bit) : PLC 37's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9767	(16bit) : PLC 37's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9768	(16bit) : PLC 37's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9769	(16bit) : PLC 37's port no.	R/W	R/C	R/C

LW-11472	(16bit) : PLC 4's ID0 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C
LW-11473	(16bit) : PLC 4's ID1 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C
LW-11474	(16bit) : PLC 4's ID2 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C
LW-11475	(16bit) : PLC 4's ID3 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C
LW-11476	(16bit) : PLC 4's ID4 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C
LW-11477	(16bit) : PLC 4's ID5 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C
LW-11478	(16bit) : PLC 5's ID0 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C
LW-11479	(16bit) : PLC 5's ID1 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C
LW-11480	(16bit) : PLC 5's ID2 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C
LW-11481	(16bit) : PLC 5's ID3 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C
LW-11482	(16bit) : PLC 5's ID4 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C
LW-11483	(16bit) : PLC 5's ID5 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C
LW-11484	(16bit) : PLC 6's ID0 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C
LW-11485	(16bit) : PLC 6's ID1 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C
LW-11486	(16bit) : PLC 6's ID2 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C
LW-11487	(16bit) : PLC 6's ID3 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C
LW-11488	(16bit) : PLC 6's ID4 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C
LW-11489	(16bit) : PLC 6's ID5 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C
LW-11490	(16bit) : PLC 7's ID0 (Beckhoff AMS NetId =	R/W	R/C	R/C

	ID0:ID1:ID2:ID3:ID4:ID5)			
LW-11491	(16bit) : PLC 7's ID1 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C
LW-11492	(16bit) : PLC 7's ID2 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C
LW-11493	(16bit) : PLC 7's ID3 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C
LW-11494	(16bit) : PLC 7's ID4 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C
LW-11495	(16bit) : PLC 7's ID5 (Beckhoff AMS NetId = ID0:ID1:ID2:ID3:ID4:ID5)	R/W	R/C	R/C

22.3.16. Communication Status and Control with PLC (USB)

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LB-9190	auto. connection for PLC (USB) (when ON)	R/W	R/C	R/C
LB-9191	PLC status (USB), set on to retry connection	R/W	R/C	R/C
LW-9390	(16bit) : pending command no. in PLC (USB)	R	R	R

22.3.17. Communication Status and Control with PLC (CAN Bus)

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LB-12080	auto. connection for PLC (CAN Bus) (when ON)	R/W	R/C	R/C
LB-12081	PLC status (CAN Bus) set on to retry connection	R/W	R/C	R/C
LB-12100	pause CAN Bus device 1 communication (when ON)	R/W	R/C	R/C
LB-12101	pause CAN Bus device 2 communication (when ON)	R/W	R/C	R/C
LB-12102	pause CAN Bus device 3 communication (when ON)	R/W	R/C	R/C
LB-12103	pause CAN Bus device 4 communication (when ON)	R/W	R/C	R/C
LB-12104	pause CAN Bus device 5 communication (when ON)	R/W	R/C	R/C
LB-12105	pause CAN Bus device 6 communication (when ON)	R/W	R/C	R/C
LB-12106	pause CAN Bus device 7 communication (when ON)	R/W	R/C	R/C
LB-12107	pause CAN Bus device 8 communication (when ON)	R/W	R/C	R/C
LB-12108	pause CAN Bus device 9 communication (when ON)	R/W	R/C	R/C
LB-12109	pause CAN Bus device 10 communication (when ON)	R/W	R/C	R/C
LB-12354	pause CAN Bus device 255 communication (when ON)	R/W	R/C	R/C
LW-9392	(16bit) : pending command no. in PLC (CAN Bus)	R	R	R

22.3.18. Communication Status and Control with Remote HMI

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LB-9068	auto. connection for remote HMI 1 (when ON)	R/W	R/C	R/C
LB-9069	auto. connection for remote HMI 2 (when ON)	R/W	R/C	R/C
LB-9070	auto. connection for remote HMI 3 (when ON)	R/W	R/C	R/C
LB-9071	auto. connection for remote HMI 4 (when ON)	R/W	R/C	R/C
LB-9072	auto. connection for remote HMI 5 (when ON)	R/W	R/C	R/C
LB-9073	auto. connection for remote HMI 6 (when ON)	R/W	R/C	R/C
LB-9074	auto. connection for remote HMI 7 (when ON)	R/W	R/C	R/C
LB-9075	auto. connection for remote HMI 8 (when ON)	R/W	R/C	R/C
LB-9099	auto. connection for remote HMI 32 (when ON)	R/W	R/C	R/C
LB-9100	remote HMI 1 status (set on to retry connection)	R/W	R/C	R/C
LB-9101	remote HMI 2 status (set on to retry connection)	R/W	R/C	R/C
LB-9102	remote HMI 3 status (set on to retry connection)	R/W	R/C	R/C
LB-9103	remote HMI 4 status (set on to retry connection)	R/W	R/C	R/C
LB-9104	remote HMI 5 status (set on to retry connection)	R/W	R/C	R/C

LB-9105	remote HMI 6 status (set on to retry connection)	R/W	R/C	R/C
LB-9106	remote HMI 7 status (set on to retry connection)	R/W	R/C	R/C
LB-9107	remote HMI 8 status (set on to retry connection)	R/W	R/C	R/C
LB-9148	remote HMI 49 status (set on to retry connection)	R/W	R/C	R/C
LB-9149	forced to reconnect remote HMI when IP changed on-line (set ON)	R/W	R/C	R/C
LW-9800	(16bit) : remote HMI 1's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9801	(16bit) : remote HMI 1's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9802	(16bit) : remote HMI 1's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9803	(16bit) : remote HMI 1's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9804	(16bit) : remote HMI 1's port no.	R/W	R/C	R/C
LW-9805	(16bit) : remote HMI 2's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9806	(16bit) : remote HMI 2's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9807	(16bit) : remote HMI 2's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9808	(16bit) : remote HMI 2's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9809	(16bit) : remote HMI 2's port no.	R/W	R/C	R/C
LW-9810	(16bit) : remote HMI 3's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9811	(16bit) : remote HMI 3's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9812	(16bit) : remote HMI 3's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9813	(16bit) : remote HMI 3's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9814	(16bit) : remote HMI 3's port no.	R/W	R/C	R/C
LW-9815	(16bit) : remote HMI 4's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9816	(16bit) : remote HMI 4's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9817	(16bit) : remote HMI 4's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9818	(16bit) : remote HMI 4's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9819	(16bit) : remote HMI 4's port no.	R/W	R/C	R/C
LW-9820	(16bit) : remote HMI 5's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9821	(16bit) : remote HMI 5's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9822	(16bit) : remote HMI 5's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9823	(16bit) : remote HMI 5's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9824	(16bit) : remote HMI 5's port no.	R/W	R/C	R/C
LW-9825	(16bit) : remote HMI 6's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9826	(16bit) : remote HMI 6's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9827	(16bit) : remote HMI 6's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9828	(16bit) : remote HMI 6's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9829	(16bit) : remote HMI 6's port no.	R/W	R/C	R/C
LW-9830	(16bit) : remote HMI 7's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C

LW-9831	(16bit) : remote HMI 7's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9832	(16bit) : remote HMI 7's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9833	(16bit) : remote HMI 7's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9834	(16bit) : remote HMI 7's port no.	R/W	R/C	R/C
LW-9835	(16bit) : remote HMI 8's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9836	(16bit) : remote HMI 8's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9837	(16bit) : remote HMI 8's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9838	(16bit) : remote HMI 8's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9839	(16bit) : remote HMI 8's port no.	R/W	R/C	R/C
LW-9895	(16bit) : remote HMI 20's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9896	(16bit) : remote HMI 20's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9897	(16bit) : remote HMI 20's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9898	(16bit) : remote HMI 20's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9899	(16bit) : remote HMI 20's port no.	R/W	R/C	R/C
LW-9905	(16bit) : remote HMI 21's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9906	(16bit) : remote HMI 21's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9907	(16bit) : remote HMI 21's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9908	(16bit) : remote HMI 21's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9909	(16bit) : remote HMI 21's port no.	R/W	R/C	R/C
LW-9910	(16bit) : remote HMI 22's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9911	(16bit) : remote HMI 22's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9912	(16bit) : remote HMI 22's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9913	(16bit) : remote HMI 22's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9914	(16bit) : remote HMI 22's port no.	R/W	R/C	R/C
LW-9915	(16bit) : remote HMI 23's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9916	(16bit) : remote HMI 23's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9917	(16bit) : remote HMI 23's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9918	(16bit) : remote HMI 23's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9919	(16bit) : remote HMI 23's port no.	R/W	R/C	R/C
LW-9920	(16bit) : remote HMI 24's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9921	(16bit) : remote HMI 24's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9922	(16bit) : remote HMI 24's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9923	(16bit) : remote HMI 24's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9924	(16bit) : remote HMI 24's port no.	R/W	R/C	R/C
LW-9925	(16bit) : remote HMI 25's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9926	(16bit) : remote HMI 25's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9927	(16bit) : remote HMI 25's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C

LW-9928	(16bit) : remote HMI 25's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9929	(16bit) : remote HMI 25's port no.	R/W	R/C	R/C
LW-9930	(16bit) : remote HMI 26's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9931	(16bit) : remote HMI 26's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9932	(16bit) : remote HMI 26's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9933	(16bit) : remote HMI 26's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9934	(16bit) : remote HMI 26's port no.	R/W	R/C	R/C
LW-9935	(16bit) : remote HMI 27's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9936	(16bit) : remote HMI 27's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9937	(16bit) : remote HMI 27's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9938	(16bit) : remote HMI 27's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9939	(16bit) : remote HMI 27's port no.	R/W	R/C	R/C
LW-9940	(16bit) : remote HMI 28's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9941	(16bit) : remote HMI 28's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9942	(16bit) : remote HMI 28's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9943	(16bit) : remote HMI 28's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9944	(16bit) : remote HMI 28's port no.	R/W	R/C	R/C
LW-9945	(16bit) : remote HMI 29's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9946	(16bit) : remote HMI 29's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9947	(16bit) : remote HMI 29's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9948	(16bit) : remote HMI 29's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9949	(16bit) : remote HMI 29's port no.	R/W	R/C	R/C
LW-9950	(16bit) : remote HMI 30's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9951	(16bit) : remote HMI 30's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9952	(16bit) : remote HMI 30's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9953	(16bit) : remote HMI 30's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9954	(16bit) : remote HMI 30's port no.	R/W	R/C	R/C
LW-9955	(16bit) : remote HMI 31's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9956	(16bit) : remote HMI 31's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9957	(16bit) : remote HMI 31's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9958	(16bit) : remote HMI 31's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9959	(16bit) : remote HMI 31's port no.	R/W	R/C	R/C
LW-9960	(16bit) : remote HMI 32's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9961	(16bit) : remote HMI 32's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9962	(16bit) : remote HMI 32's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9963	(16bit) : remote HMI 32's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9964	(16bit) : remote HMI 32's port no.	R/W	R/C	R/C

LW-9995	(16bit) : remote HMI 39's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9996	(16bit) : remote HMI 39's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9997	(16bit) : remote HMI 39's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9998	(16bit) : remote HMI 39's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9999	(16bit) : remote HMI 39's port no.	R/W	R/C	R/C

22.3.19. Communication Status and Control with Remote PLC

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LW-10050	(16bit) : IP0 of the HMI connecting to remote PLC 1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10051	(16bit) : IP1 of the HMI connecting to remote PLC 1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10052	(16bit) : IP2 of the HMI connecting to remote PLC 1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10053	(16bit) : IP3 of the HMI connecting to remote PLC 1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10054	(16bit) : port no. of the HMI connecting to remote PLC 1	R/W	R/C	R/C
LW-10055	(16bit) : IP0 of the HMI connecting to remote PLC 2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10056	(16bit) : IP1 of the HMI connecting to remote PLC 2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10057	(16bit) : IP2 of the HMI connecting to remote PLC 2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10058	(16bit) : IP3 of the HMI connecting to remote PLC 2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10059	(16bit) : port no. of the HMI connecting to remote PLC 2	R/W	R/C	R/C
LW-10060	(16bit) : IP0 of the HMI connecting to remote PLC 3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10061	(16bit) : IP1 of the HMI connecting to remote PLC 3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10062	(16bit) : IP2 of the HMI connecting to remote PLC 3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10063	(16bit) : IP3 of the HMI connecting to remote PLC 3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10064	(16bit) : port no. of the HMI connecting to remote PLC 3	R/W	R/C	R/C

LW-10065	(16bit) : IP0 of the HMI connecting to remote PLC 4 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10066	(16bit) : IP1 of the HMI connecting to remote PLC 4 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10067	(16bit) : IP2 of the HMI connecting to remote PLC 4 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10068	(16bit) : IP3 of the HMI connecting to remote PLC 4 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10069	(16bit) : port no. of the HMI connecting to remote PLC 4	R/W	R/C	R/C
LW-10205	(16bit) : IP0 of the HMI connecting to remote PLC 32 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10206	(16bit) : IP1 of the HMI connecting to remote PLC 32 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10207	(16bit) : IP2 of the HMI connecting to remote PLC 32 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10208	(16bit) : IP3 of the HMI connecting to remote PLC 32 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10209	(16bit) : port no. of the HMI connecting to remote PLC 32	R/W	R/C	R/C
LW-10300	(16bit) : remote PLC 1's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10301	(16bit) : remote PLC 1's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10302	(16bit) : remote PLC 1's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10303	(16bit) : remote PLC 1's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10304	(16bit) : remote PLC 1's port no.	R/W	R/C	R/C
LW-10305	(16bit) : remote PLC 2's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10306	(16bit) : remote PLC 2's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10307	(16bit) : remote PLC 2's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10308	(16bit) : remote PLC 2's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10309	(16bit) : remote PLC 2's port no.	R/W	R/C	R/C
LW-10310	(16bit) : remote PLC 3's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10311	(16bit) : remote PLC 3's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10312	(16bit) : remote PLC 3's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10313	(16bit) : remote PLC 3's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10314	(16bit) : remote PLC 3's port no.	R/W	R/C	R/C
LW-10315	(16bit) : remote PLC 4's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10316	(16bit) : remote PLC 4's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10317	(16bit) : remote PLC 4's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10318	(16bit) : remote PLC 4's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C

LW-10319	(16bit) : remote PLC 4's port no.	R/W	R/C	R/C
LW-10455	(16bit) : remote PLC 32's IP0 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10456	(16bit) : remote PLC 32's IP1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10457	(16bit) : remote PLC 32's IP2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10458	(16bit) : remote PLC 32's IP3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-10459	(16bit) : remote PLC 32's port no.	R/W	R/C	R/C

22.3.20. Local/Remote Operation Restrictions

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LB-9044	disable remote control (when ON)	R/W	R/C	R/C
LB-9053	prohibit password remote-read operation (when ON)	R/W	R/C	R/C
LB-9054	prohibit password remote-write operation (when ON)	R/W	R/C	R/C
LB-9196	local HMI supports monitor function only (when ON)	R/W	R/C	R/C
LB-9197	support monitor function only for remote HMIs (when ON)	R/W	R/C	R/C
LB-9198	disable local HMI to trigger a MACRO (when ON)	R/W	R/C	R/C
LB-9199	disable remote HMI to trigger a MACRO (when ON)	R/W	R/C	R/C

22.3.21. Communication Error Codes

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LW-9400	(16bit) : error code for PLC 1	R	R	R
LW-9401	(16bit) : error code for PLC 2	R	R	R
LW-9402	(16bit) : error code for PLC 3	R	R	R
LW-9403	(16bit) : error code for PLC 4	R	R	R
LW-9404	(16bit) : error code for PLC 5	R	R	R
LW-9405	(16bit) : error code for PLC 6	R	R	R
LW-9406	(16bit) : error code for PLC 7	R	R	R
LW-9407	(16bit) : error code for PLC 8	R	R	R
LW-9449	(16bit) : error code for PLC 50	R	R	R
LW-9490	(16bit) : error code for USB PLC	R	R	R
LW-9491	(16bit) : error code for CAN-Bus PLC	R	R	R

Note

1. A list of the explanation of PLC communication error codes:

Error Code	Cause of Communication Error
0	Normal
1	The device is busy and not yet ready to process a command.
2	Communication error due to unexpected reason.
3	The device does not exist.
4	The device using the specified station number does not exist.
5	Incorrect address format.
6	Read/Write unsupported address.
7	The driver of the device does not exist.
8	The COM port does not exist.
9	Incorrect IP address or unable to connect the device.
10	Checksum error.
11	Unidentified command.
12	Ignore
20	The USB device is improperly connected.
21	The CAN Bus device is improperly connected.
22	No reply from the device.
23	Insufficient data read from the device before timeout.
24	The Conversion Tag used by the object does not exist or the content is incorrect.
25	HMI is not accepting any commands from a remote HMI.
251	Read/Write exceeding number of words from/to the register of the MODBUS device.
252	MODBUS device replies incorrect data format.
253	MODBUS device checksum error.

22.3.22. Driver ID

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LW-9300	(16bit) : driver ID of local PLC 1	R	R	R
LW-9301	(16bit) : driver ID of local PLC 2	R	R	R
LW-9302	(16bit) : driver ID of local PLC 3	R	R	R
LW-9303	(16bit) : driver ID of local PLC 4	R	R	R
LW-9331	(16bit) : driver ID of local PLC 32	R	R	R

22.3.23. DLT645 Controller

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LW-10700	(4 words) : DLT_645 operator (COM 1)	R/W	R/C	R/C
LW-10704	(4 words) : DLT_645 password (COM 1)	R/W	R/C	R/C
LW-10708	(6 words) : DLT_645 address (COM 1)	R/W	R/C	R/C
LW-10715	(4 words) : DLT_645 operator (COM 2)	R/W	R/C	R/C
LW-10719	(4 words) : DLT_645 password (COM 2)	R/W	R/C	R/C
LW-10723	(6 words) : DLT_645 address (COM 2)	R/W	R/C	R/C
LW-10730	(4 words) : DLT_645 operator (COM 3)	R/W	R/C	R/C
LW-10734	(4 words) : DLT_645 password (COM 3)	R/W	R/C	R/C
LW-10738	(6 words) : DLT_645 address (COM 3)	R/W	R/C	R/C

22.3.24. [PLC No Response] Window Control

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LB-9192	disable USB PLC's "PLC No Response" dialog (when ON)	R/W	R/C	R/C
LB-11960	disable PLC 1's "PLC No Response" dialog (when ON)	R/W	R/C	R/C
LB-11961	disable PLC 2's "PLC No Response" dialog (when ON)	R/W	R/C	R/C
LB-11962	disable PLC 3's "PLC No Response" dialog (when ON)	R/W	R/C	R/C
LB-11963	disable PLC 4's "PLC No Response" dialog (when ON)	R/W	R/C	R/C
LB-11964	disable PLC 5's "PLC No Response" dialog (when ON)	R/W	R/C	R/C
LB-11965	disable PLC 6's "PLC No Response" dialog (when ON)	R/W	R/C	R/C
LB-11966	disable PLC 7's "PLC No Response" dialog (when ON)	R/W	R/C	R/C
LB-11967	disable PLC 8's "PLC No Response" dialog (when ON)	R/W	R/C	R/C
LB-12023	disable PLC 64's "PLC No Response" dialog (when ON)	R/W	R/C	R/C
LB-12082	disable CAN Bus device's "PLC No Response" dialog (when ON)	R/W	R/C	R/C

22.3.25. [Fast Selection] Window Control

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LB-9013	hide (set ON)/show (set OFF) FS window	R/W	R/C	R/C
LB-9014	hide (set ON)/show (set OFF) FS button	R/W	R/C	R/C
LB-9015	hide (set ON)/show (set OFF) FS window/button	R/W	R/C	R/C

22.3.26. EasyAccess

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LB-9051	disconnect (set OFF)/connect (set ON) EasyAccess server	R/W	R/C	R/C
LB-9052	status of connecting to EasyAccess server	R	R	R



For more information about EasyAccess, please visit <http://www.ihmi.net/>.



Click the icon to download the demo project. Please confirm your internet connection.

22.3.27. EasyAccess 2.0

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LW-10820	(16bit) : disable (set 0)/enable (set 1) (EasyAccess 2.0)	R/W	R/C	R/C
LW-10821	(5 words) : session ID (EasyAccess 2.0)	R/W	R/C	R/C
LW-10826	(2 words) : password (EasyAccess 2.0)	R/W	R/C	R/C
LW-10828	(16bit) : execution status (EasyAccess 2.0)	R	R	R
LW-10829	(16bit) : the last error code (EasyAccess 2.0)	R	R	R
LW-11170	(16bit) : Proxy Disable/Enable (0:disable, 1:enable) (EasyAccess 2.0)	R/W	R/C	R/C
LW-11171	(16bit) : Proxy Type (0:HTTP, 1:SOCKSv4, 2:SOCKSv5) (EasyAccess 2.0)	R/W	R/C	R/C
LW-11172	(16bit) : Proxy Server IP0 (EasyAccess 2.0)	R/W	R/C	R/C
LW-11173	(16bit) : Proxy Server IP1 (EasyAccess 2.0)	R/W	R/C	R/C
LW-11174	(16bit) : Proxy Server IP2 (EasyAccess 2.0)	R/W	R/C	R/C
LW-11175	(16bit) : Proxy Server IP3 (EasyAccess 2.0)	R/W	R/C	R/C
LW-11176	(16bit) : Proxy Server Port (EasyAccess 2.0)	R/W	R/C	R/C
LW-11177	(16bit) : Proxy authentication (0:disable, 1:enable) (EasyAccess 2.0)	R/W	R/C	R/C
LW-11178	(16 words) : Proxy username (EasyAccess 2.0)	R/W	R/C	R/C
LW-11194	(16 words) : Proxy password (EasyAccess 2.0)	R/W	R/C	R/C

LW-11210	(20 words) : Hardware key (EasyAccess 2.0)	R	R	R
LW-11296	(16bit) : Location of EasyAccess 2.0 server (0 : Global, 1 : China)	R	R	R

22.3.28. Remote Print/Backup Server

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LB-10069	forced to reconnect remote printer/backup server when IP changed on-line (set ON)	R/W	R/C	R/C
LB-12040	remote printer/backup server disconnection alarm (when ON)	R	R	R
LW-9770	(16bit) : remote printer/backup server IP0 (IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9771	(16bit) : remote printer/backup server IP1 (IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9772	(16bit) : remote printer/backup server IP2 (IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9773	(16bit) : remote printer/backup server IP3 (IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-9774	(6 words) : remote printer/backup server user name <i>*Note 1</i>	R/W	R/C	R/C
LW-9780	(6 words) : remote printer/backup server password <i>*Note 1</i>	R/W	R/C	R/C

Note

1. When change settings using LW-9774 and LW-9780, please reboot HMI for the new settings to take effect.



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22.3.29. Pass-Through Settings

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LW-9901	(16bit) : pass-through source COM port (1~3 : COM 1~COM 3)	R/W	R/C	R/C
LW-9902	(16bit) : pass-through destination COM port (1~3 : COM 1~COM 3)	R/W	R/C	R/C
LW-9903	(16bit) : pass-through control (0 : normal, 1 : pause, 2 : stop communications between HMI and PLC when executing pass-through)	R/W	R/C	R/C
LW-9904	(16bit) : pass-through server port no. (2000~2100)	R/W	R/C	R/C

LW-10850	(16bit) : disable/enable (0 : disable, 1 : normal, 2 : IP limited) (siemens pass-through)	R/W	R/C	R/C
LW-10851	(16bit) : destination COM port (siemens pass-through)	R/W	R/C	R/C
LW-10852	(16bit) : destination PLC station no. (siemens pass-through)	R/W	R/C	R/C
LW-10853	(16bit) : communication protocol (0 : invalid, 1 : PPI, 2 : MPI) (siemens pass-through)	R/W	R/C	R/C
LW-10854	(16bit) : IP0 of connecting client (IP address = IP0:IP1:IP2:IP3) (siemens pass-through)	R/W	R/C	R/C
LW-10855	(16bit) : IP1 of connecting client (IP address = IP0:IP1:IP2:IP3) (siemens pass-through)	R/W	R/C	R/C
LW-10856	(16bit) : IP2 of connecting client (IP address = IP0:IP1:IP2:IP3) (siemens pass-through)	R/W	R/C	R/C
LW-10857	(16bit) : IP3 of connecting client (IP address = IP0:IP1:IP2:IP3) (siemens pass-through)	R/W	R/C	R/C
LW-10858	(16bit) : IP0 of designated client (IP address = IP0:IP1:IP2:IP3) (siemens pass-through)	R/W	R/C	R/C
LW-10859	(16bit) : IP1 of designated client (IP address = IP0:IP1:IP2:IP3) (siemens pass-through)	R/W	R/C	R/C
LW-10860	(16bit) : IP2 of designated client (IP address = IP0:IP1:IP2:IP3) (siemens pass-through)	R/W	R/C	R/C
LW-10861	(16bit) : IP3 of designated client (IP address = IP0:IP1:IP2:IP3) (siemens pass-through)	R/W	R/C	R/C
LW-10862	(16bit) : connection status (0 : ready, 1 : client connecting) (siemens pass-through)	R	R	R
LW-10863	(16bit) : execution status (0 : normal, 1 : error) (siemens pass-through)	R	R	R
LW-10864	(16bit) : the last error (siemens pass-through)	R	R	R



For more information about Siemens pass-through feature, see “29 Pass-through”.



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22.3.30. VNC Control

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LB-12088	enable VNC monitor mode (when ON) *Note 1	R/W	R/C	R/C
LB-12089	VNC pass word free (when ON) *Note 1	R/W	R/C	R/C

LB-12090	a VNC client connecting to HMI (when ON)(OS version 20120621 or later supports only)	R	R	R
LB-12091	disable auto-logout function when a VNC client connecting to HMI (when ON)(OS version 20120621 or later supports only)	R/W	R/C	R/C
LB-12092	enable VNC (set ON), disable VNC (set OFF)	R/W	R/C	R/C
LB-12093	VNC connection mode (OFF: single connection, ON: multi connection) (OS version 2013.05.09 or later support) *Note1	R/W	R/C	R/C
LW-9530	(4 words) : VNC server password	R/W	R/C	R/C

 **Note**

1. To change VNC mode, use LB-12092 to stop and then restart VNC to update the setting.

22.3.31. Project Key and HMI Key

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LB-9046	project key is different from HMI key (when ON)	R	R	R
LW-9046	(32bit) : HMI key *Note 1	R/W	R/C	R

 **Note**

1. When change HMI Key using LW-9046, please reboot HMI for the new settings to take effect.



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22.3.32. USB Security Key

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LW-11160	(16bit) : start time of USB security key - year	R	R	R
LW-11161	(16bit) : start time of USB security key - month	R	R	R
LW-11162	(16bit) : start time of USB security key - day	R	R	R
LW-11163	(16bit) : start time of USB security key - hour	R	R	R
LW-11164	(16bit) : start time of USB security key - minute	R	R	R
LW-11165	(16bit) : expiration time of USB security key - year	R	R	R
LW-11166	(16bit) : expiration time of USB security key - month	R	R	R
LW-11167	(16bit) : expiration time of USB security key - day	R	R	R
LW-11168	(16bit) : expiration time of USB security key - hour	R	R	R
LW-11169	(16bit) : expiration time of USB security key - minute	R	R	R

22.3.33. User Name and Password

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LB-9050	user logout	W	C	C
LB-9060	password error	R	R	R
LB-9061	update password (set ON)	W	C	C
LB-12056	the user touches an unauthorized object (when ON)	R	R	R
PLB-12056	the user touches an unauthorized object (when ON) (on tablet)	R	N/A	N/A
LW-9082	(16bit) : auto logout time (unit : minute, 0 : disable the function)	R/W	R/C	R/C
LW-9219	(16bit) : user no. (1~12)	R/W	R/C	R/C
LW-9220	(32bit) : password	R/W	R/C	R/C
LW-9222	(16bit) : object classes can be operated for current user (bit 0:A, bit 1:B,bit 2:C, ...)	R	R	R
PLW-9222	(16bit) : object classes can be operated for current user (bit 0:A, bit 1:B,bit 2:C, ...)	R	N/A	N/A
LW-9500	(32bit) : user 1's password	R/W	R/C	R/C
LW-9502	(32bit) : user 2's password	R/W	R/C	R/C
LW-9504	(32bit) : user 3's password	R/W	R/C	R/C
LW-9506	(32bit) : user 4's password	R/W	R/C	R/C
LW-9508	(32bit) : user 5's password	R/W	R/C	R/C
LW-9510	(32bit) : user 6's password	R/W	R/C	R/C
LW-9512	(32bit) : user 7's password	R/W	R/C	R/C
LW-9514	(32bit) : user 8's password	R/W	R/C	R/C
LW-9516	(32bit) : user 9's password	R/W	R/C	R/C
LW-9518	(32bit) : user 10's password	R/W	R/C	R/C
LW-9520	(32bit) : user 11's password	R/W	R/C	R/C
LW-9522	(32bit) : user 12's password	R/W	R/C	R/C
PLW-10754	(8 words) : current user name *Note 1	R	N/A	N/A

 **Note**

1. Only for [Security] » [Enhanced security mode].



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22.3.34. Macro

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LB-9059	disable macro TRACE function (when ON) *Note1	R/W	R/C	R/C
LW-10900	(16bit) : macro 0 status (0:ready, 3:executing, 5:waiting response, 9:waiting sync, 17:delay, 32:abnormal end (exceed array size))	R	R	R
LW-10901	(16bit) : macro 1 status (0:ready, 3:executing, 5:waiting response, 9:waiting sync, 17:delay, 32:abnormal end (exceed array size))	R	R	R
LW-10902	(16bit) : macro 2 status (0:ready, 3:executing, 5:waiting response, 9:waiting sync, 17:delay, 32:abnormal end (exceed array size))	R	R	R
LW-10903	(16bit) : macro 3 status (0:ready, 3:executing, 5:waiting response, 9:waiting sync, 17:delay, 32:abnormal end (exceed array size))	R	R	R
LW-10904	(16bit) : macro 4 status (0:ready, 3:executing, 5:waiting response, 9:waiting sync, 17:delay, 32:abnormal end (exceed array size))	R	R	R
LW-10905	(16bit) : macro 5 status (0:ready, 3:executing, 5:waiting response, 9:waiting sync, 17:delay, 32:abnormal end (exceed array size))	R	R	R
LW-10906	(16bit) : macro 6 status (0:ready, 3:executing, 5:waiting response, 9:waiting sync, 17:delay, 32:abnormal end (exceed array size))	R	R	R
LW-10907	(16bit) : macro 7 status (0:ready, 3:executing, 5:waiting response, 9:waiting sync, 17:delay, 32:abnormal end (exceed array size))	R	R	R
LW-10908	(16bit) : macro 8 status (0:ready, 3:executing, 5:waiting response, 9:waiting sync, 17:delay, 32:abnormal end (exceed array size))	R	R	R
LW-10909	(16bit) : macro 9 status (0:ready, 3:executing, 5:waiting response, 9:waiting sync, 17:delay, 32:abnormal end (exceed array size))	R	R	R
LW-11154	(16bit) : macro 254 status (0:ready, 3:executing, 5:waiting response, 9:waiting sync, 17:delay, 32:abnormal end (exceed array size))	R	R	R

 **Note**

1. LB-9059: Disable macro trace function.



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22.3.35. Input Object Function

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LW-9002	(32bit-float) : input high limit	R	R	R
LW-9004	(32bit-float) : input low limit	R	R	R
PLW-9052	(32bit-float) : the previous input value of the numeric input object	R	N/A	N/A
LW-9150	(32 words) : keyboard's input data (ASCII)	R	R	R
LW-9540	(16bit) : reserved for caps lock	R/W	R/C	R/C

22.3.36. Time Sync./Daylight Saving Time

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LB-12055	failed to execute time synchronization (when ON)	R	R	R
LB-12355	daylight saving time period (when ON)	R	R	R
LW-11260	(16bit) : enable/disable the daylight saving time (DST) (0:disable, 1:enable)	R/W	R/C	R/C
LW-11261	(16bit) : hour of the DST bias	R/W	R/C	R/C
LW-11262	(16bit) : minute of the DST bias	R/W	R/C	R/C
LW-11263	(16bit) : month of the year when DST starts	R/W	R/C	R/C
LW-11264	(16bit) : week of the month when DST starts (1~5)	R/W	R/C	R/C
LW-11265	(16bit) : day of the week when DST starts (0~ 6)	R/W	R/C	R/C
LW-11266	(16bit) : hour of local time when DST starts	R/W	R/C	R/C
LW-11267	(16bit) : minute of local time when DST starts	R/W	R/C	R/C
LW-11268	(16bit) : month of the year when DST ends	R/W	R/C	R/C
LW-11269	(16bit) : week of the month when DST ends (1~5)	R/W	R/C	R/C
LW-11270	(16bit) : day of the week when DST ends (0~6)	R/W	R/C	R/C
LW-11271	(16bit) : hour of local time when DST ends	R/W	R/C	R/C
LW-11272	(16bit) : minute of local time when DST ends	R/W	R/C	R/C
LW-11273	(16bit) : enable/disable time synchronization via NTP (Network Time Protocol) server (0:disable, 1:enable)	R/W	R/C	R/C
LW-11274	(16bit) : execute time synchronization when HMI starts (0:disable, 1:enable)	R/W	R/C	R/C
LW-11275	(16bit) : server response time has been adjusted in accordance with DST (0:disable, 1:enable)	R/W	R/C	R/C

LW-11276	(16bit) : HMI time zone (unit : minute)	R/W	R/C	R/C
LW-11277	(16bit) : server response time (server time zone) (unit : minute)	R/W	R/C	R/C
LW-11278	(16bit) : IP 0 of network time server 1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-11279	(16bit) : IP 1 of network time server 1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-11280	(16bit) : IP 2 of network time server 1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-11281	(16bit) : IP 3 of network time server 1 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-11282	(16bit) : IP 0 of network time server 2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-11283	(16bit) : IP 1 of network time server 2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-11284	(16bit) : IP 2 of network time server 2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-11285	(16bit) : IP 3 of network time server 2 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-11286	(16bit) : IP 0 of network time server 3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-11287	(16bit) : IP 1 of network time server 3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-11288	(16bit) : IP 2 of network time server 3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-11289	(16bit) : IP 3 of network time server 3 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-11290	(16bit) : IP 0 of network time server 4 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-11291	(16bit) : IP 1 of network time server 4 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-11292	(16bit) : IP 2 of network time server 4 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-11293	(16bit) : IP 3 of network time server 4 (IP address = IP0:IP1:IP2:IP3)	R/W	R/C	R/C
LW-11294	(32bit) : update interval (time synchronization interval) (10 ~ 86400, unit : second)	R/W	R/C	R/C

22.3.37. Cellular Data Network

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LW-11297	(16 words) : PIN code of SIM card (cellular network)	R/W	R/C	R/C
LW-11313	(16 words) : Access Point Name (cellular network)	R/W	R/C	R/C
LW-11329	(16 words) : username (cellular network)	R/W	R/C	R/C
LW-11345	(16 words) : password (cellular network)	R/W	R/C	R/C
LW-11361	(16 words) : dial number (cellular network)	R/W	R/C	R/C
LW-11377	(16bit) : stop (set 0)/start (set 1) connection (cellular network)	R/W	R/C	R/C
LW-11378	(16bit) : last error code (0:success, 1:incorrect PIN code, 2:no SIM, 3:no device, 4:puk locked, 5:other) (cellular network)	R	R	R
LW-11379	(16bit) : connection status (0:no device, 1:disconnect, 2:connecting, 3:connected) (cellular network)	R	R	R
LW-11380	(16bit) : stop (set 0)/start (set 1) connection (USB tethering)	R/W	R/C	R/C
LW-11381	(16bit) : connection status (0:no device, 1:disconnect, 2:connected, 3:fail, 4:OS not support, 5:HMI not support) (USB tethering)	R	R	R

22.3.38. Wi-Fi Setting

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LB-12365	update wifi setting (IP, netmask, gateway, DNS) (set ON)	R/W	R/C	R/C
LW-11383	(16bit) : Wi-Fi control (1: disconnect, 2: connect, 3: popup setting dialog)	R/W	R/C	R/C
LW-11384	(16bit) : Wi-Fi error code (0: no error, 1: no such device, 2: radio is off)	R	R	R
LW-11385	(16bit) : Wi-Fi status (0: stopped; 1: connecting; 2: connected)	R	R	R
LW-11386	(16 words) : Wi-Fi connected SSID	R	R	R
LW-11402	(16bit) : Wi-Fi signal level (0: none, 1: weak, 2: fair, 3: good, 4: excellent) (Wi-Fi) *Note2	R	R	R
LW-11403	(16bit) : Wi-Fi country code *Note1	R/W	R/C	R/C
LW-11404	(16bit) : Wi-Fi radio (0: Off, 1: On)	R/W	R/C	R/C

LW-11405	(16bit) : Wi-Fi signal strength (dBm) (0, 1, 2: failed, others: signal strength) (Wi-Fi)	R	R	R
LW-11410	(16bit) : HMI Wi-Fi IP 0 (machine used only)	R/W	R/C	R/C
LW-11411	(16bit) : HMI Wi-Fi IP 1 (machine used only)	R/W	R/C	R/C
LW-11412	(16bit) : HMI Wi-Fi IP 2 (machine used only)	R/W	R/C	R/C
LW-11413	(16bit) : HMI Wi-Fi IP 3 (machine used only)	R/W	R/C	R/C
LW-11414	(16bit) : HMI Wi-Fi netmask 0 (machine used only)	R/W	R/C	R/C
LW-11415	(16bit) : HMI Wi-Fi netmask 1 (machine used only)	R/W	R/C	R/C
LW-11416	(16bit) : HMI Wi-Fi netmask 2 (machine used only)	R/W	R/C	R/C
LW-11417	(16bit) : HMI Wi-Fi netmask 3 (machine used only)	R/W	R/C	R/C
LW-11418	(16bit) : HMI Wi-Fi gateway 0 (machine used only)	R/W	R/C	R/C
LW-11419	(16bit) : HMI Wi-Fi gateway 1 (machine used only)	R/W	R/C	R/C
LW-11420	(16bit) : HMI Wi-Fi gateway 2 (machine used only)	R/W	R/C	R/C
LW-11421	(16bit) : HMI Wi-Fi gateway 3 (machine used only)	R/W	R/C	R/C
LW-11422	(16bit) : HMI Wi-Fi media access control (MAC) address 0	R	R	R
LW-11423	(16bit) : HMI Wi-Fi media access control (MAC) address 1	R	R	R
LW-11424	(16bit) : HMI Wi-Fi media access control (MAC) address 2	R	R	R
LW-11425	(16bit) : HMI Wi-Fi media access control (MAC) address 3	R	R	R
LW-11426	(16bit) : HMI Wi-Fi media access control (MAC) address 4	R	R	R
LW-11427	(16bit) : HMI Wi-Fi media access control (MAC) address 5	R	R	R
LW-11428	(16bit) : HMI Wi-Fi domain name system (DNS) server IP 0	R/W	R/C	R/C
LW-11429	(16bit) : HMI Wi-Fi domain name system (DNS) server IP 1	R/W	R/C	R/C
LW-11430	(16bit) : HMI Wi-Fi domain name system (DNS) server IP 2	R/W	R/C	R/C
LW-11431	(16bit) : HMI Wi-Fi domain name system (DNS) server IP 3	R/W	R/C	R/C
LW-11432	(16bit) : obtain an Wi-Fi IP address automatically (DHCP => 0 : off, 1 : on)	R/W	R/C	R/C

 **Note**

1. Please enter Wi-Fi country code in ASCII for uppercase letters, the setting will take effect after rebooting HMI. Wireless regulations vary from country to country. The country code selection affects the list of channels of the wireless radio.
2. The signal strength is classified into four levels: 1. Weak (<-70 dBm), 2. Fair (-60 ~ -70 dBm), 3. Good (-50 ~ -60 dBm), 4. Excellent (>-50 dBm)

22.3.39. OPC UA Server

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LW-11435	(16bit) : OPC UA Server status (0: Stopped, 1: Started)	R	R	R
LW-11436	(16bit) : OPC UA Server error code (0: Success, 1 or more: Error)	R	R	R
LW-11437	(16bit) : OPC UA Server control command (0: None, 1: Start, 2: Stop)	R/W	R/C	R/C

22.3.40. e-Mail

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LB-12053	failed to send an [Event Log] e-Mail (when ON)	R	R	R
LB-12054	failed to send an [Backup Object] e-Mail (when ON)	R	R	R
LW-9216	(16bit) : the result of importing email data *Note 1	R	R	R
LW-11444	(16bit) : failed step (e-Mail) *Note 2	R	R	R
LW-11445	(16bit) : error code (e-Mail) *Note 3	R	R	R

 **Note**

- 1: import succeeded, 2: import failed (file doesn't exist)
- 2: Error codes of failed steps include:

Code	Cause of Error
0	CSMTP_NO_ERROR
100	WSA_STARTUP = Unable to initialise winsock2
101	WSA_VER = Wrong version of the winsock2
102	WSA_SEND = Function send() failed
103	WSA_RECV = Function recv() failed
104	WSA_CONNECT = Function connect failed
105	WSA_GETHOSTBY_NAME_ADDR = Unable to determine remote server
106	WSA_INVALID_SOCKET = Invalid winsock2 socket
107	WSA_HOSTNAME = Function hostname() failed
108	WSA_IOCTL_SOCKET = Function ioctlsocket() failed
109	WSA_SELECT
110	BAD_IPV4_ADDR = Improper IPv4 address
200	UNDEF_MSG_HEADER = Undefined message header
201	UNDEF_MAIL_FROM = Undefined mail sender

202	UNDEF_SUBJECT = Undefined message subject
203	UNDEF_RECIPIENTS = Undefined at least one recipient
204	UNDEF_RECIPIENT_MAIL = Undefined recipient mail
205	UNDEF_LOGIN = Undefined user login
206	UNDEF_PASSWORD = Undefined user password
207	BAD_LOGIN_PASSWORD = Invalid user login or password
208	BAD_DIGEST_RESPONSE = Server returned a bad digest MD5 response
209	BAD_SERVER_NAME = Unable to determine server name for digest MD5 response
300	COMMAND_MAIL_FROM = Server returned error after sending MAIL FROM
301	COMMAND_EHLO = Server returned error after sending EHLO
302	COMMAND_AUTH_PLAIN = Server returned error after sending AUTH PLAIN
303	COMMAND_AUTH_LOGIN = Server returned error after sending AUTH LOGIN
304	COMMAND_AUTH_CRAMMD5 = Server returned error after sending AUTH CRAM-MD5
305	COMMAND_AUTH_DIGESTMD5 = Server returned error after sending AUTH DIGEST-MD5
306	COMMAND_DIGESTMD5 = Server returned error after sending MD5 DIGEST
307	COMMAND_DATA = Server returned error after sending DATA
308	COMMAND_QUIT = Server returned error after sending QUIT
309	COMMAND_RCPT_TO = Server returned error after sending RCPT TO
310	MSG_BODY_ERROR = Error in message body
400	CONNECTION_CLOSED = Server has closed the connection
401	SERVER_NOT_READY = Server is not ready
402	SERVER_NOT_RESPONDING = Server not responding
403	SELECT_TIMEOUT =
404	FILE_NOT_EXIST = File not exist
405	MSG_TOO_BIG = Message is too big
406	BAD_LOGIN_PASS = Bad login or password
407	UNDEF_XYZ_RESPONSE = Undefined xyz SMTP response
408	LACK_OF_MEMORY = Lack of memory
409	TIME_ERROR = time() error
410	RCVBUF_IS_EMPTY = RecvBuf is empty
411	SENDERBUF_IS_EMPTY = SendBuf is empty
412	OUT_OF_MSG_RANGE = Specified line number is out of message size
413	COMMAND_EHLO_STARTTLS = Server returned error after sending STARTTLS
414	SSL_PROBLEM = SSL problem
415	COMMAND_DATABLOCK = Failed to send data block
416	STARTTLS_NOT_SUPPORTED = The STARTTLS command is not supported by the server
417	LOGIN_NOT_SUPPORTED = AUTH LOGIN is not supported by the server

3. Error messages sent from mail server can be shown by designating a word address (length adjustable) in System Parameter Settings » e-Mail tab » [Error message].

22.3.41. Miscellaneous

Address	Description	Read(R)/Write(W)/Control(C)		
		Local HMI	Macro	Remote HMI
LB-9000~ LB-9009	initialized as ON	R/W	R/C	R/C
LB-9010	data-transfer write indicator	R	R	R
LB-9011	data-transfer read indicator	R	R	R
LB-9012	data-transfer execution indicator	R	R	R
LB-9016	status is on when a client connects to this HMI	R	R	R
LB-9017	disable write-back in PLC control's [change window]	R/W	R/C	R/C
LB-9039	status of file backup activity (backup in process if ON)	R	R	R
LB-9045	memory-map communication fails (when ON)	R	R	R
LB-9049	disable/enable watch dog (use LW-11456 set watch dog timeout) *Note 1	R/W	R/C	R/C
LB-12356	enable(set on)/disable(set off) web streaming	R/W	R/C	R/C
LB-12357	web streaming status (on: enabled / off: disabled)	R	R	R
LB-12358	enable (when ON) / disable (when OFF) off-line simulation on HMI *Note 5	R/W	R/C	R/C
LB-12361	status of operation log function (OFF : disabled, ON : enabled)	R	R	R
LB-12656	enable Diagnoser (set ON), disable (set OFF)	R/W	R/C	R/C
LB-12657	Diagnoser password free (when ON)	R/W	R/C	R/C
LW-9006	(16bit) : connected client no.	R	R	R
LW-9024	(16bit) : memory link system register	R/W	R/C	R/C
LW-9032	(8 words) : folder name of backup history files to SD, USB memory *Note 3	R/W	R/C	R/C
LW-9050	(16bit) : current base window ID	R	R	R
PLW-9050	(16bit) : current base window ID	R	N/A	N/A
LW-9134	(16bit) : language mode *Note 2	R/W	R/C	R/C
PLW-9134	(16bit) : language mode *Note 2	R/W	N/A	N/A
LW-9900	(16bit) : HMI run mode (0 : normal mode, 1-3 : test mode (COM 1-COM 3))	R/W	R/C	R/C
LW-10762	(8 words) : slot1 user name	R/W	R/C	R/C

LW-10770	(8 words) : slot2 user name	R/W	R/C	R/C
LW-10778	(8 words) : slot3 user name	R/W	R/C	R/C
LW-10814	(16bit) : connecting to a Weintek HMI (0:none, 1:connecting) *Note 4	R	R	R
LW-11456	(16bit) : watch dog timeout (3 ~ 10), unit : second *Note 1	R/W	R/C	R/C
LW-11756	(4 words) : Diagnoser password	R	R	R
LW-11760	(16bit) : CODESYS firmware status (0:error, 1:start, 2:stop)	R	R	R
LW-11761	(16bit) : CODESYS application status (0:error, 1:start, 2:stop)	R	R	R
LW-11762	(16bit) : CODESYS login status (0:error, 1:login, 2:logout)	R	R	R

Note

1. When LB-9049 watch dog function is enabled, watch dog automatically reboots the system after the HMI stops functioning for a specified period of time.
2. To display texts on objects in multiple languages, except for using Label Library, the system reserved register [LW-9134: language mode] is needed. The value range in LW-9134 is 0 ~ 23. The values in LW-9134 relates to the languages downloaded to HMI. LW-9134 value and language correspondence vary according to the languages selected during project compilation and download.

For example: If 5 languages are defined by user in Label Library as Language 1 (Traditional Chinese), Language 2 (Simplified Chinese), Language 3 (English), Language 4 (French), and Language 5 (Japanese). If only Language 1, 3, 5 are downloaded, the corresponding language of the value in LW-9134 will be 0 → Language 1 (Traditional Chinese), 1 → Language 3 (English), 2 → Language 5 (Japanese). The following demo project explains how to switch languages using Option List Object and LW-9134.



- Click the icon to download the demo project. Please confirm your internet connection.
3. The default name of the backup data folder will be the HMI name.
 4. When the USB Host is connected to a Weintek HMI, the address is set to 1, for testing if the USB Client of another Weintek HMI works normally.
 5. This register allows switching to off-line mode on HMI. In off-line mode, “Device No Response” message will not show even when HMI is not properly connected. In this case, device related objects can still operate, however, the values are not read by / written to the device.