YOKOGAWA ACE PLC

HMI Factory Setting:

Baud rate: 9600, 8, Even, 1 (ASCII mode) Controller Station Number: 1 CPU No (HMI Station Number) : 0 (<u>Note2</u>) Control Area / Status Area: D1 / D10

Connection

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a. RS-232 (DOP-A/AE/AS, DOP-B Series)
It requires specific cable of YOKOGAWA ACE PLC
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DOP Series	PLC1.	Co	ntroller
9 pin D-SUB (RS	-232)	(RS-232 f	or YOKOGAWA)
RXD (2) -	PLC1.	PLC1.	TXD (1)
TXD (3) -	PLC1.ir	PLC1.W	RXD (2)

Definition of PLC Read/Write Address

a. Registers

-		Format			
Туре		Word No.(n)	Read/Write Range	Data Length	Note
WORD_DEVICE_X		Xn	X 201 – X 65464	Word	<u>3</u>
WORD_DEVICE_Y	PLC1	Yn 🛒	Y 201 – Y 65464	Word	<u>3</u>
WORD_DEVICE_I		In	I1 - I16384	Word	<u>4</u>
WORD_DEVICE_E	PLC1	En plot	E 1 – E 4096	Word	<u>4</u>
WORD_DEVICE_L		Ln	L1 - L65488	Word	<u>4</u>
WORD_DEVICE_M	PLC1	M n	M 1 – M 9984	Word	<u>4</u>
WORD_DEVICE_TP		TP n	TP 1 - TP 3072	Word	
WORD_DEVICE_CP	PLC1	CP n	CP 1 - CP 3072	Word	LC1.W
WORD_DEVICE_D		Dn	D 1 - D 8192	Word	
WORD_DEVICE_B	PLC1	B n	B 1 - B 32768	Word	⁷ C/ . _W
WORD_DEVICE_W		Wn	W 1 - W 65499	Word	
WORD_DEVICE_Z	PLC1	Zn	Z 1 – Z 512	Word	rc.v.w

DUP Series HMI Connection Manual

Туре	Format Word No.(n)	Read/Write Range	Data Length	Note
WORD_DEVICE_V	Vn	V 1 – V 64	Word	C1.35
WORD_DEVICE_R	Rn	R 1 - R 4096	Word	
WORD_DEVICE_TS	TS n	TS 1 – TS 3072	Word	CAN S
WORD_DEVICE_CS	CS n	CS 1 – CS 3072	Word	

b. Contacts

Туре	Format Bit No.(b)	Read/Write Range	Note
BIT_DEVICE_X	Xb	X 201 – X 65464	<u>5</u>
BIT_DEVICE_Y	Yb	Y 201 – Y 65464	<u>5</u>
BIT_DEVICE_I	lb	l1 - l16384	
BIT_DEVICE_E	Eb PLUS PLU	E1 - E4096	VCV.
BIT_DEVICE_L	Lb	L1 - L65488	
BIT_DEVICE_M	Mb	M 1 – M 9984	VOV.
BIT_DEVICE_TU	TUb	TU1 - TU3072	
BIT_DEVICE_CU	CUb	CU 1 – CU 3072	LC

- 1) Set the PLC to "not using Checksum" and "not using End character".
- 2) CPU number in this communication protocol represents HMI Station Number, the setting of CPU number must be greater than 1.

Delete Move Down	HMI Station	1	
Defete			
	Interface	RS232	
COMI	Data Bits	8 Bits	
Base Port	Stop Bits	1 Bits 💌	
🖉 сомз	Baud Rate	9600 🗸	
📲 Ethernet	Parity	Even 🖌	
	Controller Settings		
	Controller	🔊 ACE	~
	Password	12345678	LCV.W
	PLC Station	1	
	Comm. Delay		
	T 11 1	300	
	1 imeout(ms)		
	Timeout(ms) Retry Count		

- 3) The last two digits of the device address must be the multiple of 16 + 1 but less than 65.
- 4) The device address must be the multiple of 16 + 1.
- 5) The last two digits of the device address must be less than 65.