

## LG Master-K CNET

### HMI Factory Setting ([Note1](#)):

Baud rate: 38400, 8, None, 1 (RS-422)

Controller Station Number: 0

Control Area / Status Area: DW0/DW10

### Connection

#### a. RS-232 (DOP-A/AE/AS, DOP-B Series) LG 120S PLC (Master K)

DOP Series		Controller
9 pin D-SUB (RS-232)		9 pin D-SUB male (RS-232)
RXD (2)	—————	(7) TXD
TXD (3)	—————	(4) RXD

#### b. RS-422 (DOP-A/AE Series) via G6L-CUEC CNET Communication Module

DOP Series		Controller
99 pin D-SUB male (RS-422)		(RS-422)
RXD+ (2)	—————	SDA
RXD- (1)	—————	SDB
TXD- (4)	—————	RDB
TXD+ (3)	—————	RDA

**c. RS-422 (DOP-AS35/AS38/AS57 Series) via G6L-CUEC CNET Communication Module**

DOP Series		Controller
99 pin D-SUB male (RS-422)		(RS-422)
R+	—————	SDA
R-	—————	SDB
T-	—————	RDB
T+	—————	RDA

**d. RS-422 (DOP-B Series) via G6L-CUEC CNET Communication Module**

DOP Series		Controller
9 pin D-SUB male (RS-422)		(RS-422)
RXD+ (4)	—————	SDA
RXD- (9)	—————	SDB
TXD- (6)	—————	RDB
TXD+ (1)	—————	RDA

**Definition of PLC Read/Write Address**

**a. Registers**

Type	Format	Read/Write Range	Data Length	Note
	Word No. (n)			
I/O Relay	PWn	PW0 - PW31	Word	
Auxiliary Relay	MWn	MW0 - MW191	Word	
Keep Relay	KWn	KW0 - KW31	Word	
Link Relay	LWn	LW0 - LW63	Word	
Special Relay	FWn	FW0 - FW63	Word	Read Only
Timer Elapsed Value	TWn	TW0 - TW255	Word	

Type	Format	Read/Write Range	Data Length	Note
	Word No. (n)			
Counter Elapsed Value	CWn	CW0 - CW255	Word	
Data Register	DWn	DW0 - DW9999	Word	

**b. Contacts**

Type	Format	Read/Write Range	Note
	Word No. (n) Bit No. (b)		
I/O Relay	PXnb	PX00 - PX31F	
Auxiliary Relay	MXnb	MX00 - MX191F	
Keep Relay	KXnb	KX00 - KX31F	
Link Relay	LXnb	LX00 - LX63F	
Special Relay	FXnb	FX00 - FX63F	
Timer Contact Relay	TXb	TX0 - TX255	
Counter Contact Relay	CXb	CX0 - CX255	

 **NOTE**

- 1) HMI default setting is predefined for G6L-CUEC CNET communication module.