LG XBM/XBC/XGK CPU Direct

HMI Factory Setting:

Baud Rate: 115200. 8. None. 1.

Controller Station Number: 0

Control Area / Status Area: DW0/DW10

Applicable models: DOP-B / DOP-W / DOP-H / HMC series、DOP-100

Connection

a. RS-232

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│       DOP series              Controller              │
│   9 pin D-sub (RS-232)    9 pin D-sub male (RS-232)   │
│                                                       │
│      RXD (2) ───────────────────── (3) TXD            │
│                                                       │
│      TXD (3) ───────────────────── (2) RXD            │
│                                                       │
│      GND (5) ───────────────────── (5) GND            │
│                                                       │
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Definition of PLC Read/Write Address

a. Registers

Type	Format Word No. (n)	Read/Write Range	Data Length	Note
I/O Relay	**PW**n	**PW**0 – **PW**2047	Word	
Auxiliary Relay	**MW**n	**MW**0 – **MW**2047	Word	
Keep Relay	**KW**n	**KW**0 – **KW**2559	Word	
Link Relay	**LW**n	**LW**0 – **LW**11263	Word	
Special Relay	**FW**n	**FW**0 – **FW**2047	Word	
Data Register	**DW**n	**DW**0 – **DW**32767	Word	
File Register	**RW**n	**RW**0 – **RW**32767	Word	
Step Control Relay	**SW**n	**SW**0 – **SW**127	Word	
Special Module Register	**UW**s.n	**UW**0.0 – **UW**7F.31	Word	
Timer Elapsed Value	**TW**n	**TW**0 – **TW**2047	Word	
Counter Elapsed Value	**CW**n	**CW**0 – **CW**2047	Word	
Communication data register	**NW**n	**NW**0 – **NW**21503	Word	

Index register_128 words	**ZW**n	**ZW**0 – **ZW**127	Word	
File Register	**ZRW**n	**ZRW**0 – **ZRW**32767	Word	
Setup value	**TSW**n	**TSW**0 – **TSW**2047	Word	
Setup value	**CSW**n	**CSW**0 – **CSW**2047	Word	

b. Contacts

Type	Format Slot No. (s) ; Word No.(n) ; Bits No.(b)	Read/Write Range	Note
I/O Relay	**PX**nb	**PX**00 – **PX**2047F	
Auxiliary Relay	**MX**nb	**MX**00 – **MX**2047F	
Keep Relay	**KX**nb	**KX**00 – **KX**2559F	
Link Relay	**LX**nb	**LX**00 – **LX**11263F	
Special Relay	**FX**nb	**FX**00 – **FX**2047F	
Data Register	**DX**nb	**DX**00 – **DX**32767F	
File Register	**RX**nb	**RX**00 – **RX**32767F	
Step Control Relay	**SX**n.b	**SX**0 – **SX**127.99	1
Special Module Register	**UX**s.n.b	**UX**0.0.0 – **UX**7F.31.F	
Timer Contact Relay	**TX**b	**TX**0 – **TX**2047	
Counter Contact Relay	**CX**b	**CX**0 – **CX**2047	

1) Bit of Step Control Relay SX is related with register SW, when turn on SX0.60, value SW0 will be 60.