

WECON Program



WECON Technology Co., Ltd.

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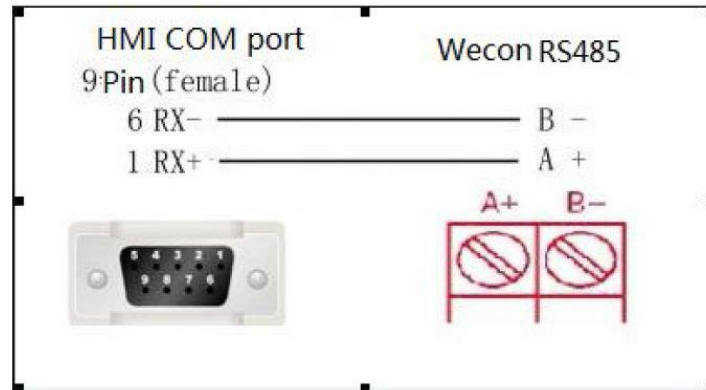
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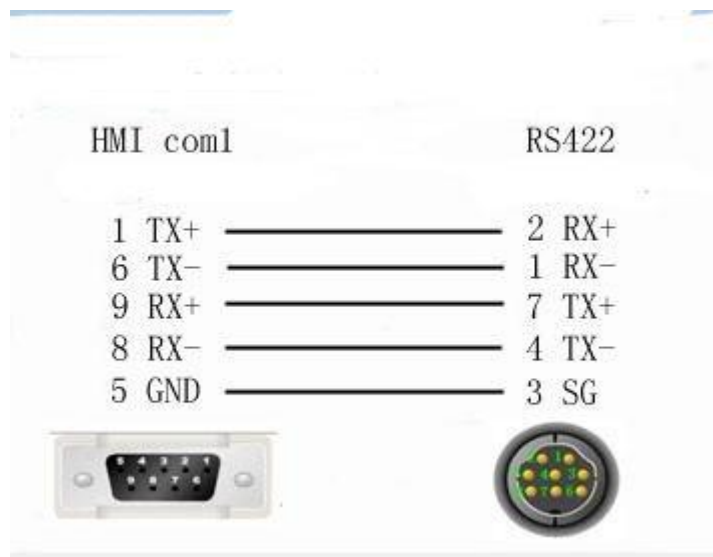
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How to make RS485 RS422 RS232 cable

1. RS485 Wiring diagram



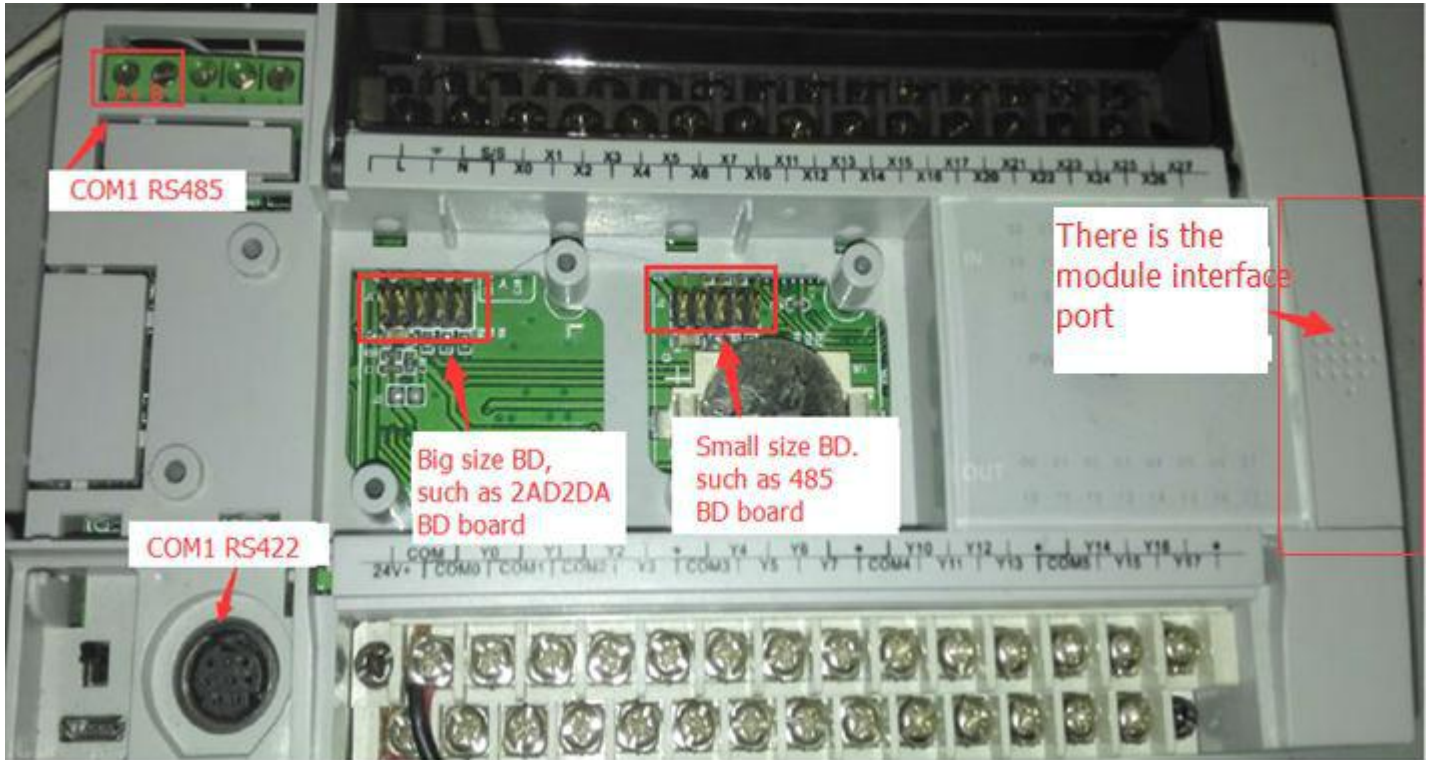
RS422 Wiring diagram



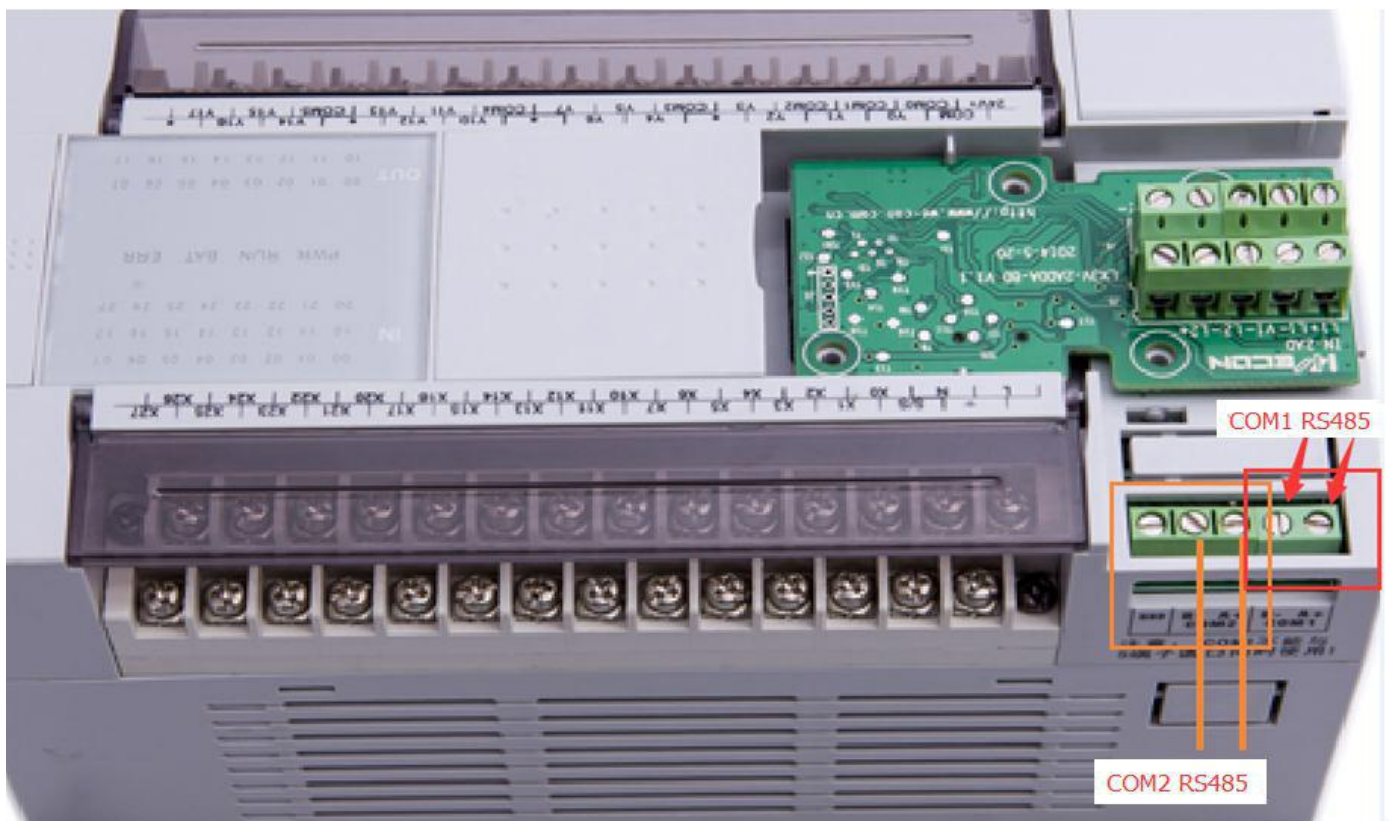
Our PLC can't support RS232

2-----3
3-----2
5-----5

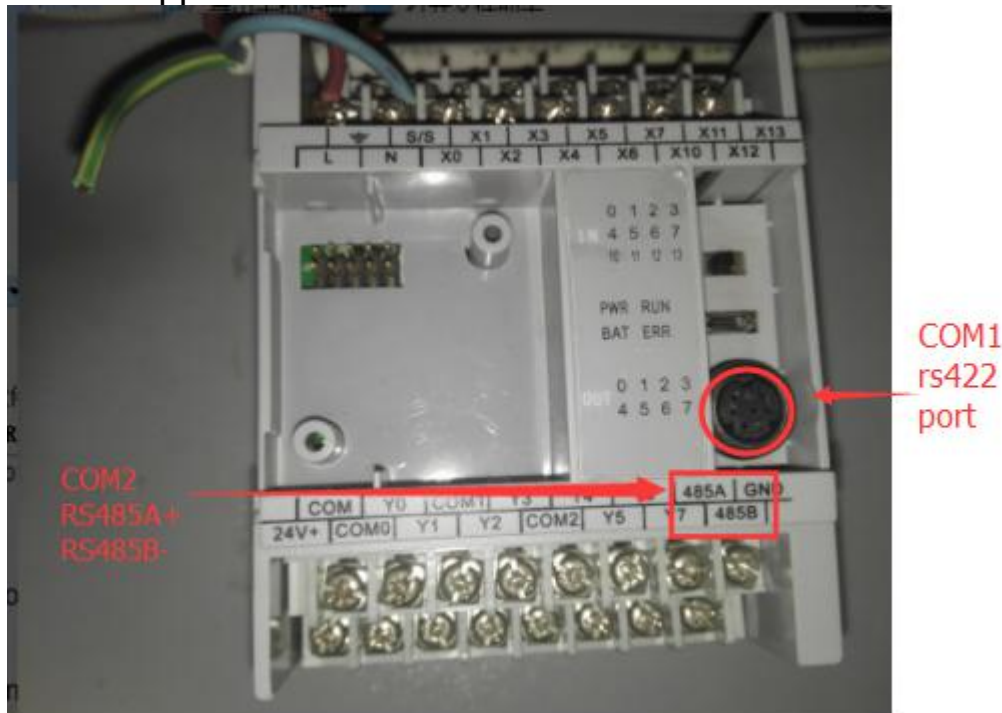
2.Com1 support RS485 and RS422,Please check the following picture.
(≥ 24 point PLC support COM1 RS485/RS422 and COM2 RS485,for example:LX3V-1410.less than 24 point plc only support COM1 RS422 and COM2 RS485,for example LX3V-0806/LX3V-1208)



3.Our Com2 support RS485,Please check the following picture.



LX3V-0806/LX3V-1208 plc only can support COM1 RS422 and COM2 RS485.
 LX3V-0806/LX3V-1208 plc com2 rs485 port is in below. Note: (LX3V-0806/LX3V-1208 plc can not support connect module. because it does not with module port)



Note: COM2 could support Wecon PLC protocol and Modbus RTU protocol. So user need to set plc parameter in D8120 and D8126 to choose use which protocol.

**For example (Wecon HMI connect Wecon PLC COM2 by Wecon PLC protocol)
 HMI parameter is in the picture below. (Setting--->Communication)**

Communication

Device Connections:

No.	Port	Device
1	RS485	WECON LX3V

New Delete Setting

Default Station No.

HMI No.: 0

Device No.: 0

Multi-Link

Host Total slave: 2

Slave HMI No.: 1

Port RS485 HMI Model LEVI 430T

Protocol WECON LX3V

COM: (RS485, 9600, 1, 7, EVEN) setting

Device IP: None setting

Timeout: (300, 50, 2, 3, 0, 0) setting

Peripheral: None Details

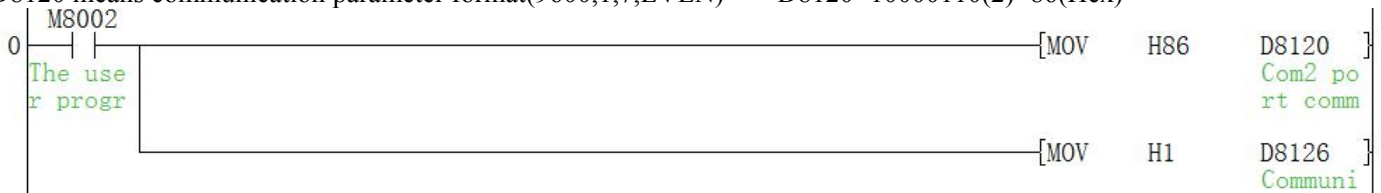
PLC Debug None setting

☐ Change the protocol only

User-Defined protocol OK

PLC program example.

D8120 means communication parameter format(9600,1,7,EVEN)---->D8120=10000110(2)=86(Hex)



Communication Format (D8120)

Item	parameter	Bit value of D8120							
		b7	b6	b5	b4	b3	b2	b1	b0
Baud rate (Bps)	115200	1	1	0	0	-	-	-	-
	57600	1	0	1	1	-	-	-	-
	38400	1	0	1	0	-	-	-	-
	19200	1	0	0	1	-	-	-	-
	9600	1	0	0	0	-	-	-	-
Stop bit	4800	0	1	1	1	-	-	-	-
	1 bit	-	-	-	-	0	-	-	-
Parity	2 bit	-	-	-	-	1	-	-	-
	None	-	-	-	-	-	0	0	-
	Odd	-	-	-	-	-	0	1	-
Data bit	Even	-	-	-	-	-	1	1	-
	7 bit	-	-	-	-	-	-	-	0
	8 bit	-	-	-	-	-	-	-	1

Example: the communication format is 9600.1.8.None, b7b6b5b4=1000, b3=0, b2b1=00, b0=1. D8120=81H ((10000001)₂=81H. 81H means hexadecimal number)

D8126=01H means use Wecon PLC protocol.

Protocol Setting (D8126)

Protocol	Description	Value of D8126
WECON PLC Protocol	Using WECON PLC Protocol	01H
MODBUS RTU Master	PLC is slave device	02H
MODBUS ASCII Master	PLC is slave device	03H
MODBUS RTU Slave	PLC is master device	20H
MODBUS ASCII Slave	PLC is master device	30H