

Parker Compax3

Supported Series: Parker Compax3 Servo Drive.

Website: <http://www.parker.com>

HMI Setting:

RS232

Parameters	Recommended	Options	Notes
PLC type	Parker Compax3		
PLC I/F	RS232		
Baud rate	115200		
Data bits	8	7 or 8	
Parity	None	Even, Odd, None	
Stop bits	1	1 or 2	
PLC sta. no.	0	0	Must be 0 for RS232

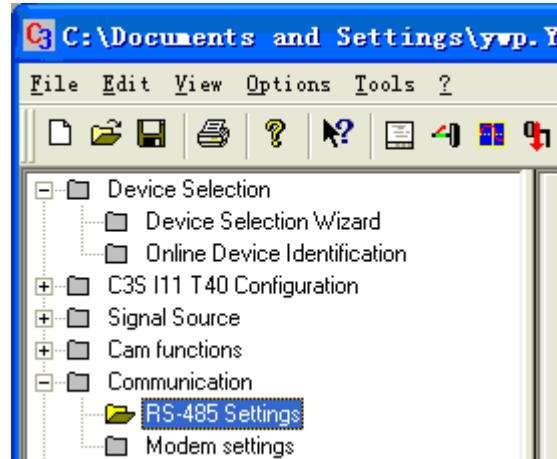
RS485

Parameters	Recommended	Options	Notes
PLC type	Parker Compax3		
PLC I/F	RS485 2W		
Baud rate	9600		
Data bits	8	7 or 8	
Parity	None	Even, Odd, None	
Stop bits	1	1 or 2	
PLC sta. no.	1	1-99	Range from 1 to 99 for RS485, according to the PLC setting.

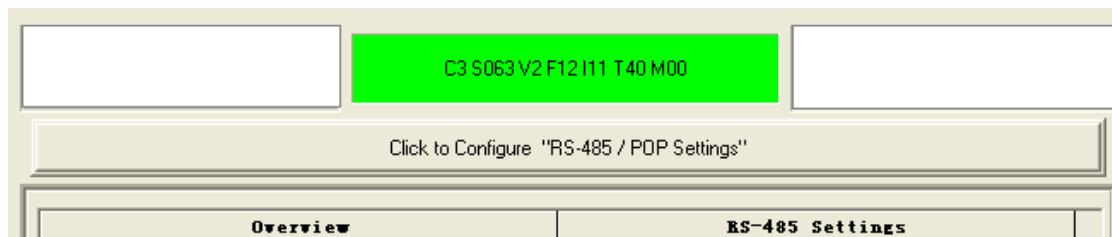
PLC Setting:

How to set Compax 3 servo to RS485 mode?

1. Open C3 ServoManager2, select "Communication" => "RS-485 Settings".



2. Click to Configure "RS-485/POP Settings".



3. Set parameters as below:

The diagram illustrates the RS-485 communication setup. It shows a differential pair of lines, A and B, connected to a multi-drop bus. The bus is represented by a series of connected segments, each with a yellow box representing a device. The lines A and B are shown as a twisted pair.

RS-485 Settings

Master	General
Multicast Address	98
Device Address	11
Baud rate	9600
Connection Type	Two wire
Parity	No
Stop bits	1
Data bits	8

4. Download settings to Compax3 Servo.

5. Set EasyBuilder system parameter and connect with PLC for communication of HMI and Servo.

Device Address:

Bit/Wor	Device type	Format	Range	Memo
B	R_Low16bit	DDDDDDDDh	0 ~ 99999999f	
B	R_High16bit	DDDDDDDDh	0 ~ 99999999f	
DW	Register_Int	DDDDDD	0 ~ 999999	For Register INT32, U32
DW	Register_float	DDDDDD	0 ~ 999999	For Register INT32, U32
W	Register_Short	DDDDDD	0 ~ 999999	For Register INT16, U16

The range of the address that can be operated depends on the address type.

(For more information, please see PLC Connection Guide)

For example:

If the read / write address is: 1901.2, please enter 190102

If the read / write address is: 400.1, please enter 40001

Wiring Diagram:

Diagram 1

RS-232 (Parker Compax3 PLC X10 : RS232)

The serial port pin assignments may vary between HMI models, please click the following link for more information.



Diagram 2

RS-485 2W (Parker Compax3 PLC X10 : RS485 2W)

The serial port pin assignments may vary between HMI models, please click the following link for more information.

