

Allen-Bradley PLC-5

1. The table below shows the formats of every register the PWS can access.

Register Type	Format	Range With the Register	Device Type / Aux. Address		Data Size R/W	
Output file	O:ooo	ooo=octal number 0-277	0	0	Word	✓
Input file	I:ooo	ooo=octal number 0-277	1	0	Word	✓
Status file	S:nnn	nnn=0-127	2	0	Word	✓
Bit file	Bfff:nnn B:nnn	fff=3-999; default file is 3 if fff omitted; nnn=0-999	3	0	Word	✓
Timer file	Tfff:nnn T:nnn Tfff:nnn.PRE T:nnn.PRE Tfff:nnn.ACC T:nnn.ACC	fff=3-999; default file is 4 if fff omitted; nnn=0-999	4	0	Word	✓
Counter file	Cfff:nnn C:nnn Cfff:nnn.PRE C:nnn.PRE Cfff:nnn.ACC C:nnn.ACC	fff=3-999; default file is 5 if fff omitted; nnn=0-999	5	0	Word	✓
Control file	Rfff:nnn R:nnn Rfff:nnn.LEN R:nnn.LEN Rfff:nnn.POS R:nnn.POS	fff=3-999; default file is 6 if fff omitted; nnn=0-999	6	0	Word	✓
Integer file	Nfff:nnn N:nnn	fff=3-999; default file is 7 if fff omitted; nnn=0-999	7	0	Word	✓

Note 1: The Workstation can read up to 60 words in one read command.

Note 2: The Workstation does not support block read for registers in Timer, Counter, and Control files.

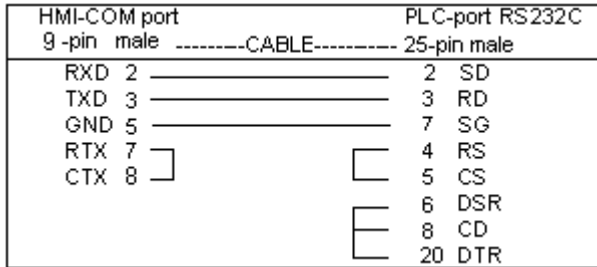
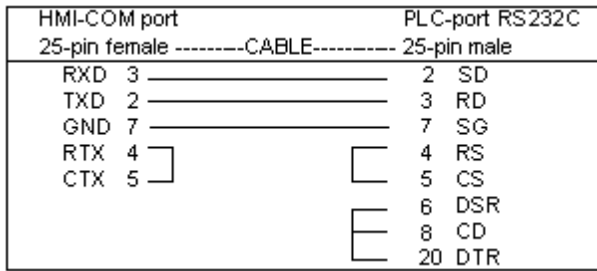
2. The table below shows the format of every on/off location the Workstation can access. When you specify the address of an On/off Block register, the Aux. address should be zero.

Relay Type	Format	Range With the Relay	Device Type / Aux. Address		Data Size	
						R/W
Output file	O:xxx/yy	xxx=octal number 0-277; yy=octal number 0-7yy10-17	0xC0	0-15	Word	✓
Input file	I:xxx/yy	xxx=octal number 0-277; yy=octal number 0-7yy10-17	0xC1	0-15	Word	✓
Status file	S:nnn/bb	nnn=0-127; bb=0-15	0xC2	0-15	Word	✓
Bit file	Bfff:nnn/bb	fff=3-999; default file is 3 if fff omitted; nnn=0-999; bb=0-15	0xC3	0-15	Word	✓
Timer file	Tfff:nnn/bb Tfff:nnn.DN Tfff:nnn.PRE/bb Tfff:nnn.ACC/b b Tfff:nnn.EN Tfff:nnn.TT	fff=3-999; default file is 4 if fff omitted; nnn=0-999; bb=0-15;	0xC4	0-15	Word	✓
Counter file	Cfff:nnn/bb Cfff:nnn.PRE/bb Cfff:nnn.ACC/bb Cfff:nnn.CU Cfff:nnn.CD Cfff:nnn.DN Cfff:nnn.OV Cfff:nnn.UN	fff=3-999; default file is 5 if fff omitted; nnn=0-999; bb=0-15	0xC5	0-15	Word	✓
Control file	Rfff:nnn/bb Rfff:nnn.LEN/bb Rfff:nnn.POS/bb Rfff:nnn.EN Rfff:nnn.EU Rfff:nnn.DN Rfff:nnn.EM Rfff:nnn.ER Rfff:nnn.UL Rfff:nnn.IN Rfff:nnn.FD	fff=3-999; default file is 6 if fff omitted; nnn=0-999; bb=0-15	0xC6	0-15	Word	✓
Integer file	Nfff:nnn/bb	fff=3-999; default file is 7 if fff omitted; nnn=0-999; bb=0-15	0xC7	0-15	Word	✓

Note 3: The Workstation can read up to 960 bits in one read command.

Note 4: The Workstation doesnot support block read for bits in Timer, Counter, and Control files.

3. Example for the connections between PWS and RS232C of PLC-5:



4. P.L.C. & PWS setting:

Please set the communication parameters & the DIP-Switch as below:

A. P.L.C. Setting		B. PWS-Setting
a. Communication format	:RS232C	Set the Workstation's operating parameters to match the PLC. PLC Node Address N
b. Node Address	:N	
c. Transmission Speed	:9600/19200 bps	
d. Transmission Format (data bits,parity,stop bits)	:8-bits,none, 1-bit	
e. Com Port	:FULL DUPLEX	
f. BCC ERROR Check	:YES	
Note: You should open those files in the PLC that the Workstation will access.		