Jetter Nano Series PLC

HMI Factory Setting:

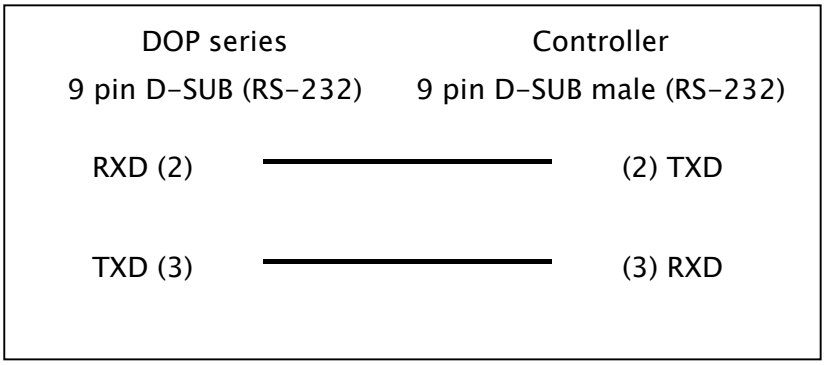
Baud rate: 9600. 8. Even. 1(RS-232)

Controller Station Number: 0 (no PLC station number in protocol, one HMI to one PLC connection)

Control Area / Status Area: WR0/WR10

Connection

a. RS-232 (DOP-A/AE/AS, DOP-B Series)



Definition of PLC Read/Write Address

a. Registers

Type	Format	Read/Write Range	Data Length	Note
	Word No. (n)			
16 Bits Register	WRn	WR0 – WR32767	16 Bits	5
32 Bits Register	Rn	R0 – R32767	24 Bits	3, 6, 7

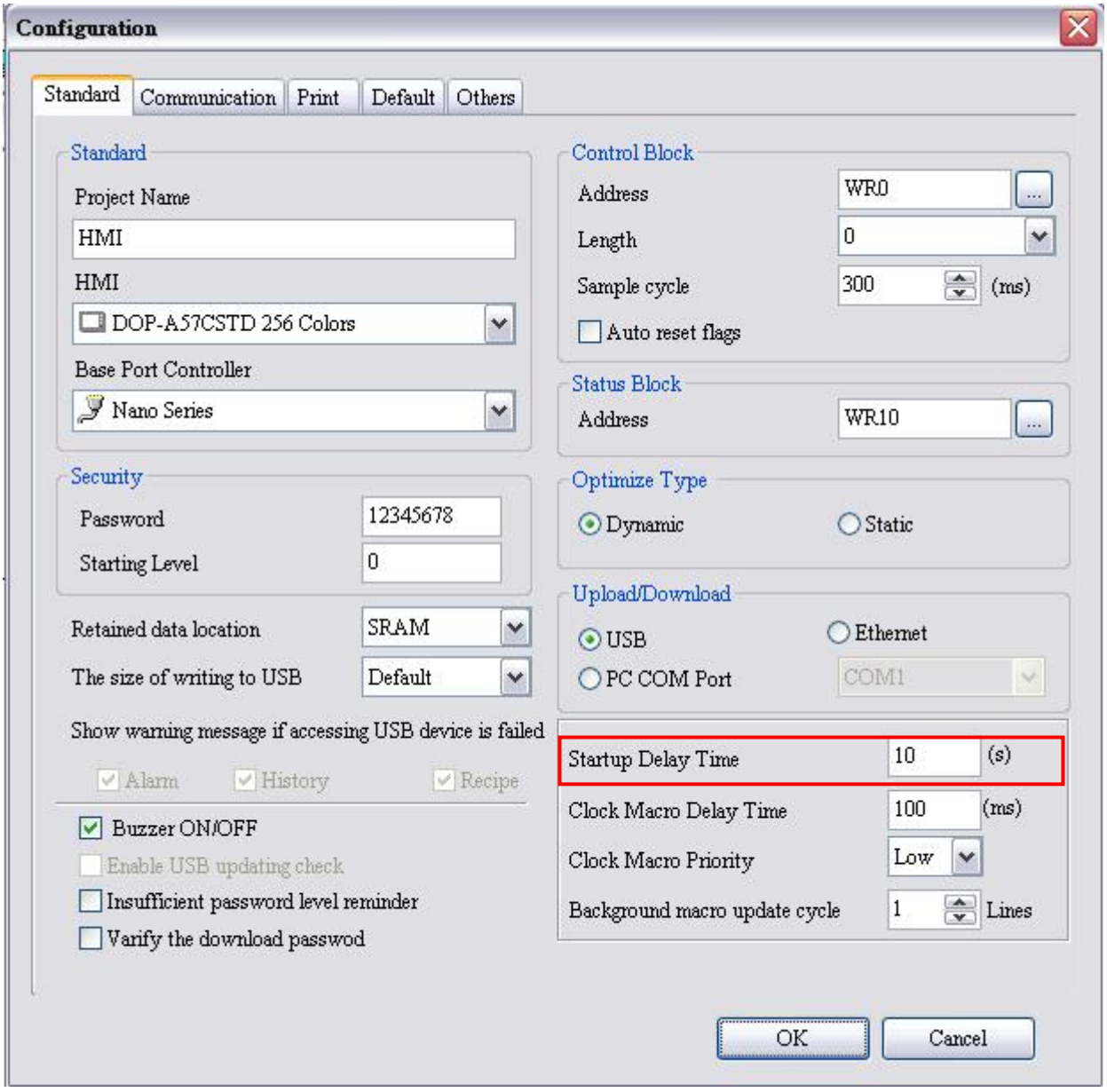
b. Contacts

Type	Format	Read/Write Range	Note
	Word No. (n) Bit No. (b)		
Input Relay	Inbb	I101 – I3208	
Output Relay	Onbb	O101 – O3208	
Flag Relay	Fb	F0 – F32767	

NOTE

1) In general, every register occupies a maximum 24 Bits. However, some registers occupies only 8 Bits.

2) Jetter Nano Series PLC requires longer time at initial start, therefore it is recommended to set startup delay time greater than 10 (s).



3) When the register R is used for Double Word device, please set the format as signed format. (The default format in Screen Editor is signed format.)

4) Please be aware the pin definition for RS232 in this PLC series is different than the standard RS232, do not mistake.

5) **WR** only occupies Bit0~Bit15 of every register.

6) **R** occupies 24 Bits of every register and Bit24~Bit31 set to 0 by default setting.

7) Decimal notation range from -8388608 to +8388607； hexadecimal notation range from 0x000000 to 0xFFFFFF.

8) The difference between WRn and Rn register:

1. When using devices that the data length is in Word, only Bit 0 ~ 15 are valid for both of WRn and Rn registers.
2. When using devices that the data length is in Double Word, if the read/write address format is set to WRn, the Bit 0 ~ 15 of WRn register is the low word of a read/write value, the Bit 0 ~ 15 of WRn+1 register is the high word of a read/write value. If the read/write address format is set to Rn, only Bit 0 ~ 23 are valid for Rn registers. **(Notice: As the Jetter controller is a 24-bit format controller, the valid setting range is 24 Bits** (16777215)**. If setting exceeds this range, HMI will stop read/write operation and show "…..Value is Incorrect" on the screen.**
3. When using devices that the data length is in m Words, if the read/write address format is set to WRn, the Bit 0 ~ 15 of WRn register is the lowest word of a read/write value and the Bit 0 ~ 15 of WRn+m-1 register is the highest word of a read/write value. If the read/write address format is set to Rn, the Bit 0 ~ 23 of Rn register is the lowest word of a read/write value and the Bit 0 ~ 23 of Rn+1 register is the highest word of a read/write value. Each register is regards as a "Double Word". The value of Bit24 ~ Bit31 is 0.