

## Keyence KV/KZ Series

### HMI Factory Setting:

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

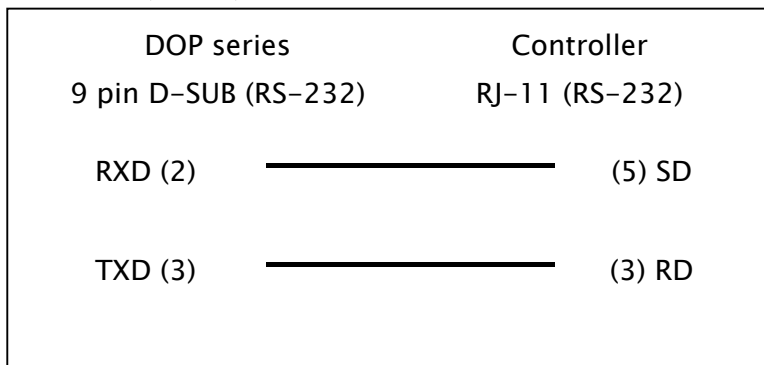
Controller Station Number: 0 (no PLC station number in protocol, one on one connection)

Control Area / Status Area: DM-0 / DM-10

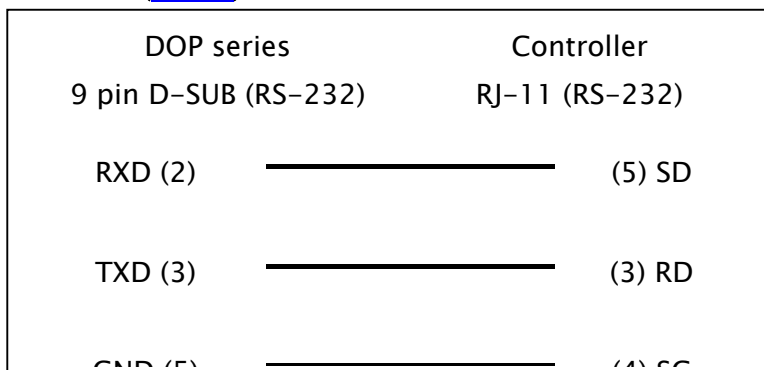
### Connection

#### a. RS-232 (DOP-A, DOP-B Series)

##### KV Series ([Note1](#))



##### KZ Series ([Note1](#))



### Definition of PLC Read/Write Address

#### a. Registers

Type	Format	Read/Write Range	Data Length	Note
	Word No. (n)			
Timer	T-n	T-0 - T-199	Word	
Counter	C-n	C-0 - C-199	Word	
High-speed counter	CTH-n	CTH-0 - CTH-1	Word	

Type	Format	Read/Write Range	Data Length	Note
	Word No. (n)			
High-speed counter comparator	CTC-n	CTC-0 - CTC-3	Word	
Data memory	DM-n	DM-0 - DM-1999	Word	
Temporary data memory	TM-n	TM-0 - TM-31	Word	
Timer preset value	PT-n	PT-0 - PT-199	Word	
Counter preset value	PC-n	PC-0 - PC-199	Word	
CTC preset value	PCTC-n	PCTC-0 - PCTC-3	Word	

**b. Contacts**

Type	Format	Read/Write Range	Note
	Word No. (n)		
	Bit No. (b)		
Relay	R-nbb	R-000 - R-6915	
Timer	T-b	T-0 - T-199	<u>1</u>
Counter	C-b	C-0 - C-199	<u>1</u>
High-speed counter comparator	CTC-b	CTC-0 - CTC-3	

 **NOTE**

- 1) Please be aware the pin definition of SD, RD is reversed in KZ-80T and KV series.  
This protocol regards PLC protocol in KV series, when communicates with KZ series PLC, the following divergence will occur.
  1. Readable Timer address is not continuous. For example:
    - T-0 ~ T-9 can be read
    - T10 cannot be read
    - T11 ~ T20 can be read
    - T21 ~ T50 cannot be read ...etc.
  2. Counter cannot be read. For example:
    - Registers: C-, CTH-, CTC-, PC-, PCTC- all cannot be read.
    - Contacts: C-, CTC- cannot be read as well.