Keyence KV Series TCP

HMI Factory Setting:

Controller IP Address: 192.168.0.1

Controller COM Port: 8501

Controller Station Number: 0

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

Connection

Standard Jumper Cable / Network Cable without jumper (Auto-detected by HMI)

Definition of PLC Read/Write Address

a. Registers

Type	Format Word No. (n)	Read/Write Range	Data Length	Note
Data Memory	DM-n	DM-0 ~ DM-65534	Word	
Control Memory	CM-n	CM-0 ~ CM-11999	Word	
Temporary Data Memory	TM-n	TM-0 ~ TM-511	Word	
Extended Data Memory	EM-n	EM-0 ~ EM-65534	Word	
Extended Data Memory	FM-n	FM-0 ~ FM-32767	Word	
Address Register	Z-n	Z-1 ~ Z-12	Word	
Digital Trimmer	AT-n	AT-0 ~ AT-7	Word	
High-speed Counter	CTH-n	CTH-0 ~ CTH-3	Double Word	
CTC Preset Value	PCTC-n	PCTC-0 ~ PCTC-3	Double Word	
Timer Preset Value	PT-n	PT-0 ~ PT-3999	Double Word	
Counter Preset Value	PC-n	PC-0 ~ PC-3999	Double Word	
High-speed Counter Comparator	CTC-n	CTC-0 ~ CTC-7	Double Word	
Timer	T-n	T-0 ~ T-3999	Double Word	
Counter	C-n	C-0 ~ C-3999	Double Word	
File Register	ZF-n	ZF-0 ~ ZF-131071		

b. Contacts

Type	Format Word No. (n) Bit No. (b)	Read/Write Range	Note
Control Relay	CR-nbb	CR-000 ~ CR-3915	
Internal Memory Relay	MR-nbb	MR-000 ~ MR-99915	

Latch	**LR**-nbb	**LR**-000 ~ **LR**-99915	
Relay	**R**-nbb	**R**-000 ~ **R**-99915	
High-speed Counter comparator	**CTC**-b	**CTC**-0 ~ **CTC**-3	
Timer Contact	**T**-b	**T**-0 ~ **T**-3999	
Counter Contact	**C**-b	**C**-0 ~ **C**-3999	
Extended Data Memory	**EM**-n.b	**EM**-0.0 ~ **EM**-65534.15	
Extended Data Memory	**FM**-n.b	**FM**-0.0 ~ **FM**-32767.15	
Data Memory	**DM**-n.b	**DM**-0.0 ~ **DM**-65534.15	