DVP14SS211T Y DVP14SS211R

MAPA DE MEMORIA, ENTRADAS Y SALIDAS.

SS2 Memory Map

Specifications						
Control Method					Stored program, cyclic scan system	
I/O Processing Method					Batch processing method (when END instruction is executed)	
Execution Speed					LD instructions – 0.54μs, MOV instructions – 3.4μs	
Program language					Instruction List + Ladder + SFC	
Program Capacity					7920 steps	
Bit Contacts	X	External inputs			X0~X377, octal number system, 256 points max.	Total 480+14 I/O(*4)
	Y	External outputs			Y0~Y377, octal number system, 256 points max.	
	M	Auxiliary relay	General		M0~M511, 512 points, (*1) M768~M999, 232 points, (*1) M2000~M2047, 48 points, (*1)	Total 4096 points
			Latched		M512~M767, 256 points, (*2) M2048~M4095, 2048 points, (*2)	
			Special		M1000~M1999, 1000 points, some are latched	
	T	Timer	100ms (M1028=ON, T64~T126: 10ms)		T0~T126, 127 points, (*1) T128~T183, 56 points, (*1)	Total 256 points
					T184~T199 for Subroutines, 16 points, (*1)	
					T250~T255(accumulative), 6 points (*1)	
			10ms (M1038=ON, T200~T245: 1ms)		T200~T239, 40 points, (*1)	
					T240~T245(accumulative), 6 points, (*1)	
			1ms		T127, 1 points, (*1) T246~T249(accumulative), 4 points, (*1)	
	C	Counter	16-bit count up		C0~C111, 112 points, (*1) C128~C199, 72 points, (*1)	Total 233 points
					C112~C127, 16 points, (*2)	
			32-bit count up/down		C200~C223, 24 points, (*1)	
					C224~C232, 9 points, (*2)	
			32bit high-speed count up/down	Soft-ware	C235~C242, 1 phase 1 input, 8 points, (*2)	Total 22 points
					C233~C234, 2 phase 2 input, 2 points, (*2)	
				Hard-ware	C243~C244, 1 phase 1 input, 2 points, (*2)	
					C245~C250, 1 phase 2 input, 6 points, (*2)	
					C251~C254 2 phase 2 input, 4 points, (*2)	
	S	Step point	Initial step point		S0~S9, 10 points, (*2)	Total 1024 points
			Zero point return		S10~S19, 10 points (use with IST instruction), (*2)	
			Latched		S20~S127, 108 points, (*2)	
			General		S128~S911, 784 points, (*1)	
			Alarm		S912~S1023, 112 points, (*2)	
Word Register	T	Current value			T0~T255, 256 words	
	C	Current value			C0~C199, 16-bit counter, 200 words	
					C200~C254, 32-bit counter, 55 words	

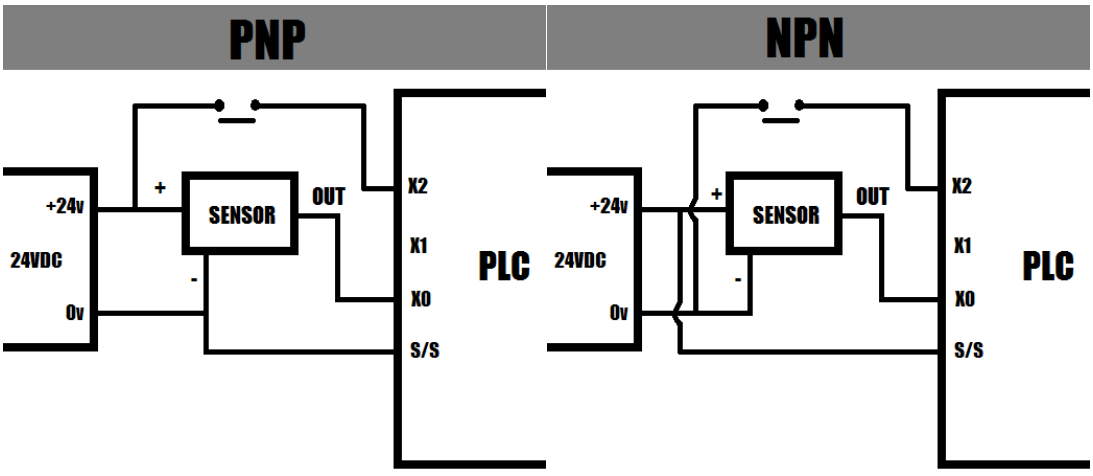
D

Specifications					
	D	Data register	General	D0~D407, 408 words, (*1) D600~D999, 400 words, (*1) D3920~D4999, 1080 words, (*1)	Total 5000 points
			Latched	D408~D599, 192 words, (*2) D2000~D3919, 1920 words, (*2)	
			Special	D1000~D1999, 1000 words, some are latched	
			Index	E0~E7, F0~F7, 16 words, (*1)	
Pointer	N	Master control loop		N0~N7, 8 points	
	P	Pointer		P0~P255, 256 points	
	I	Interrupt Service	External interrupt	I000/I001(X0), I100/I101(X1), I200/I201(X2), I300/I301(X3), I400/I401(X4), I500/I501(X5), I600/I601(X6), I700/I701(X7), 8 points (01: rising-edge trigger ⌐, 00: falling-edge trigger ¬)	
			Timer interrupt	I602~I699, I702~I799, 2 points (Timer resolution = 1ms) I805~I899, 1 point (Timer resolution = 0.1ms) (Supported by V2.00 and above)	
			High-speed counter interrupt	I010, I020, I030, I040, I050, I060, I070, I080, 8 points	
			Communication interrupt	I140(COM1), I150(COM2), 2 points, (*3)	
Constant	K	Decimal		K-32,768 ~ K32,767 (16-bit operation), K-2,147,483,648 ~ K2,147,483,647 (32-bit operation)	
	H	Hexadecimal		H0000 ~ HFFFF (16-bit operation), H00000000 ~HFFFFFFFF (32-bit operation)	
Serial ports				COM1: built-in RS-232 ((Master/Slave) COM2: built-in RS-485 (Master/Slave) COM1 is typically the programming port.	
Real Time Clock				Year, Month, Day, Week, Hours, Minutes, Seconds	
Special I/O Modules				Up to 8 special I/O modules can be connected	

Notes:

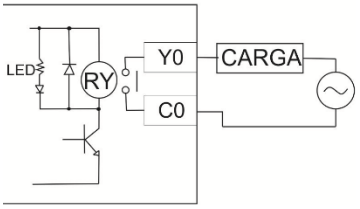
1. Non-latched area cannot be modified
2. Latched area cannot be modified
3. COM1: built-in RS232 port. COM2: built-in RS485 port.
4. The PLC occupies 16 input points (X0~X17) and 16 output points (Y0~Y17). The extension input point starts from X20 and extension output point from Y20.

Entradas:

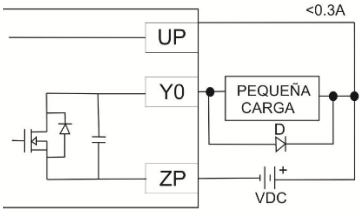


Salidas:

SALIDA A RELEVADOR



SALIDA A TRANSISTOR



D: Diodo 1N4001 o Similar

	Entradas	
Nombre de la entrada	X0-X3	X4-X7
Corriente de entrada	5mA a 24VDC	
Impedancia de entrada	4.7KΩ	
Frecuencia máxima	20kHz	10kHz
Nivel de voltaje ON	> 15VDC	
Nivel de voltaje OFF	< 5VDC	
Tiempo de respuesta OFF a ON	< 10µs	< 20µs
Tiempo de respuesta ON a OFF	< 20µs	< 50µs
Tiempo de filtrado	Ajustable entre 0 y 20ms en el registro D1020 (Configuración de fábrica 10 ms)	

	Salidas		
	Relevador	Transistor	
Nombre de la Salida	Y0-Y5	Y0-Y3	Y4, Y5
Corriente Máxima	1.5A (5A el COM)	0.5A (3A el COM)	
Frecuencia máxima	1Hz	10kHz	1kHz
Voltaje de trabajo	250VAC, < 30VDC	5 - 30 VDC	
Tiempo de respuesta OFF a ON	Aprox. 10 ms	20µs	100µs
Tiempo de respuesta ON a OFF	Aprox. 10 ms	30µs	100µs