








Product Overview

Model	Basic unit	DS16-□S/T	D□22-□S/P/T/R	D□40-□S/P/T/R/RT	D□60-□S/P/T/R/RT
	Expansion unit	DS16-□E	D□22-□E	D□40-□E	D□60-□E
Appearances & Dimensions					
		[W16×H24×L43mm]	[W20×H33×L43mm]	[W40×H60×L19mm]	[W60×H93×L19mm]
Character size		W9×H16mm	W11.2×H22.5mm	W22.4×H40mm	W33.6×H60mm
Power supply		12-24VDC			
Allowable voltage range		90 to 110% of rated voltage			
Current consumption	Red	D□-RS/RP/RT/RE Max. 20mA	Max. 25mA	Max. 55mA	Max. 65mA
		DS□-RR/RRT Max. 40mA	Max. 40mA	Max. 55mA	Max. 65mA
	Green	Max. 15mA	Max. 20mA	Max. 40mA	Max. 45mA
Max. Clock ^{※1}		• Serial input: Max. 2kHz • Parallel input: Dynamic Parallel 1: Max. 3kHz, Dynamic Parallel 2: Max. 1.5kHz			
Input method		D□□S: Serial			
		D□□P: Parallel (Dynamic Parallel 1, Dynamic Parallel 2)			
		D□□T: RS485 communication (Modbus protocol)			
		DS□-RR/RRT: Pt temperature input (supports DPt100Ω, JPt 100Ω) ^{※1}			
Input logic ^{※1}		Selectable positive logic (PNP) or negative logic (NPN) (change by the function set switch)			
Input resistance ^{※1}		20kΩ			
Input logic ^{※1}		High: 4.5-24VDC, Low: 0-1.2VDC			
Display temp. range		DS□-RR/RRT: -50.0 to 400.0°C or -58.0 to 752.0°F			
Reference		N-4 to 20			

※1: It is only for the Serial, Parallel input models.



※The Max. clock is when the duty ratio is 1:1.

Model	D1SC-N	D1SA-RN	D1SA-GN	D1AA-RN	D1AA-GN
Appearances & Dimensions					
	[W72×H96×L25.7mm]	[W20×N+12×H33×L54mm]		[W20×N+12×H33×L54mm]	
Character size	W32×H57mm	W11×H22mm			
Power supply	12-24VDC				
Allowable voltage range	90 to 110% of rated voltage				
Current consumption	Max. 70mA	Max. 35mA		Max. 32mA	
Display method	7 Segment LED display (Red)		7 Segment LED display (Green)	16 Segment LED display (Red)	16 Segment LED display (Green)
Display character	<ul style="list-style-type: none"> • Decimal number: 0 to 9, Decimal point, Minus^{※1} • Hexa decimal number: 0 to 9, A to F, Decimal point 			0 to 9, A to Z, Decimal point, 24 kinds of symbols	
Max. clock	Max. 3kHz				
Input	Parallel: Parallel 4-bit data, latch, zero blanking, decimal point Serial: Serial 4-bit or 5-bit data, clock, zero blanking, latch, decimal point (for 4-bit input)			Parallel: Parallel 6-bit data, latch, decimal point Serial: Serial 6-bit or 7-bit data, clock, latch, decimal point (for 6-bit input)	
Output	Data output (serial input), zero blanking output				
Input logic	Selectable positive (PNP) or negative (NPN) by inner switch (SW1)	Selectable positive (PNP) or negative (NPN) by inner soldering			
Input level	High: 4.5-24VDC, Low: 0-1.2VDC				
Input resistance	12kΩ	20kΩ			
Reference	N-21 to 28			N-29 to 34	

※1: Minus display is available only D1SC-N.

※The Max. clock is when the duty ratio is 1:1.

Product Overview

Model	D5Y-M	D5W-M	D5W-MX
Appearances & Dimensions			
	[W72×H36×L91mm]	[W96×H48×L99.5mm]	
Character size	W8×H14.1mm		
Power supply	12-24VDC		110/220VAC 50/60Hz (option)
Allowable voltage range	90 to 110% of rated voltage		
Current consumption	Max. 1.1W		Max. 2VA
Display method	7 Segment LED display (red)		
Display character	0 to 9, Decimal, Minus (for serial input)		
Max. clock	100Hz to 5kHz		
Input method	Static, Dynamic, 4/5-bit serial, Serial (16/20/25-bit)		
Input logic	Selectable positive logic (PNP) or negative logic (NPN)		
Input level	High: 5-24VDC, Low: 0-1.2VDC		
Input resistance	22kΩ		
Reference	N-35 to 42		

※The Max. clock is when the duty ratio is 1:1.