Dimensions and Part Names

		V9100iS
Power supply	Rated voltage	100-240V AC/ 24V DC
	Permissible range of voltage	AC: -15%, +10%/ DC: ±10%
	Permissible momentary power failure	AC within 20ms, DC within 1ms
	Demand (maximum rating)	AC: 70VA or less/ DC: 28W or less
Insulation resistance		DC500V 10MΩ or more
Physical environment	Ambient temperature	0 - 50 degree C[1]
	Ambient humidity	85%RH or less (without dew condensation)[1]
	Operation altitude	2,000 meters or lower
	Atmosphere	Not to be exposed to corrosive gas, or conductive dust
	Storage temperature	-10 to 60 degree C [1]
	Storage humidity	85%RH or less (without dew condensation)[1]
	Overvoltage category	Category II
	Contamination level	Level 2
Mechanical operating conditions	Resistance to oscillation	Complies with JIS B 3502 (IEC61131-2) Vibration frequency: 5 - 9Hz, pulsating with:3.5mm, 9 - 150Hz, Acceleration: 9.8m/s2(1G), X,Y,Z: 3 directions (10 times each)
	Resistance to shock	Complies with JIS B 3502 (IEC61131-2) Peak acceleration: 147m/s2(15G), X,Y,Z: 3 directions, three times each (18 times in total)
Electric operating conditions	Resistance to noise	Noise voltage: 1,500Vp-p, pulse width: 1μs, pulse rise time: 1ns
	Resistance to static discharge	Complies with IEC61000-4-2, contact: 6kV, air: 8kV
Installation conditions	Grounding	Grounding resistance: Less than 100Ω, FG/SG separation
	Structure	Protect structure: Front panel: NEMA #250 TYPE 4X (indoor), TYPE 13[2], equivalent to IP66 (when water-proof gasket is used.), Rear cover: Compatible with IP20, Form: Single unit, Installation method: Panel mounting
	Cooling system	Natural air cooling
	Dimensions W*H*D(mm)	235.0×180.0×48.9
	Panel cutout (mm)	220.5×165.5 (+0.5/-0)
Case color		Light gray
Material		PC

*1: Keep wet bulb temperature under 39°C to avoid malfunction.

*2: Available or complying after release.

Performance Specifications

Screen memory (FROM)		64MB
Backup memory (SRAM)		800KB
Display	Display device	TFT color LCD
	Resolution	800×600
	Display size	10.4″
	Colors	16.7 million[3]
	Backlight	LED
	Backlight life	70,000 hours
Touch switch	Type	Analog resistance film
Function switch	Quantity	8
External interface	D-Sub 9-pin (CN1)	RS-232C/ RS-422/485, Asynchronous type, Data length: 7,8 bits, Parity: even, odd, none, Stop bit: 1, 2 bits, Baud rate: 4800, 9600, Stop bit: 1, 2 bits, Baud rate: 4800, 9600, 19200, 38400, 57600, 76800, 115200,187500[4]bps
	Modular 8-pin (MJ1/MJ2)	RS-232C/ RS-422/485 (two-wire system), Asynchronous type, Data length: 7,8 bits, Parity: even, odd, none, Stop bit: 1, 2 bits, Baud rate: 4800, 9600, 19200, 38400, 57600, 76800, 115200 bps
	SD card	One card slot provided as standard
	Ethernet	1ch, Baud rate: 100Mbps, 10Mbps
	Wireless LAN	-
	USB	Type A, Type mini-B(Ver.2.0)
	Sound output	1ch provided as standard
Clock	Backup period	5 years (Ambient temperature 25 degree C)
	Calendar accuracy	Gap ±90 sec. per month (Ambient temperature 25 degree C, when power is not supplied)
Standard	CE marking[5]	EN61000-6-2, EN61000-6-4
	UL·cUL[5]	UL508, ANSI/ ISA 12.12.01-2007[2]
	KC	Compliant
	Radio Act[5]	-

*3: For the display of pictures, 3D parts and videos only. Other parts are displayed in 65,536 colors.

*4: Available only when connected with SIEMENS MPI/PPI.

*5: DC type only.