



Digital Controller

SHIMADEN

SD24 & KR16 Series

BASIC FEATURES

- High accuracy $\pm 0.1\%$ FS + digit
- 1/1000°C Resolution indication possible
- 3 Display modes (Peak hold, Boottom hold, Display hold)
- External control input (2 points) as a standard feature
- C contact (2 points) or a contact (4 points) can be selected for alarm output.
- Analog output hold function (Hold display value output)
- Communication function RS-485/RS-232C (Shimaden standard protocol/MODBUS)
- Linear approximation operation function (Voltage/Current input only)



ORDERING INFORMATION

ITEM	CODE		SPECIFICATIONS	
SERIES	SD24-		DIN 48x96 Digital Indicator, DI 2 points	
INPUT		8	Universal-input Input resistance: 500kΩ minimum • Thermocouple • R.T.D.: Pt100/JPt100 • Voltage (mV): -10 – 10, 0 – 10, 0 – 20, 0 – 50, 10 – 50, 0 – 100, -100 – 100mV DC	Refer to "Measuring Range Codes" for details of input type and measuring range. Voltage mV, V, Current mA range Scaling Possible (inverse scaling possible) Range: -9999 – 30000 units Span: 10 – 40000 units
		6	Voltage (V) Input resistance: 500kΩ minimum -1 – 1, 0 – 1, 0 – 2, 0 – 5, 1 – 5, 0 – 10, -10 – 10V DC	
		4	Current (mA) Receiving impedance: 250Ω 0 – 20, 4 – 20mA DC	
POWER SUPPLY	90-		100 – 240V AC $\pm 10\%$, (50/60 Hz)	
	08-		24V AC (50/60 Hz)/DC $\pm 10\%$	
ALARM (OPTION)		0	None	
		1	Individually set/output 4 points (a contact)	
		2	Individually set/output 2 points (c contact)	
ANALOG OUTPUT/ COMMUNICATION FUNCTION (OPTION)		00	None	
		03	0 – 10mV DC Output resistance: 10Ω	Scaling Possible (inverse scaling possible) (within measuring range)
		04	4 – 20 mA DC Resistive load: 300Ω max.	
		06	0 – 10V DC Load current: 2 mA max.	
		50	RS-485	
		70	RS-232C	
SENSOR DC POWER SUPPLY (OPTION)		0	Without	
		1	With 24V DC 50 mA	
REMARKS		0	Without	
		9	With	