

SI

DigitroniK Smart Indicator (with LED Bar Graph Indicator)

The SI is a compact, lightweight, highly reliable single-point process faceplate, featuring a DIN-sized LED bar graph indicator of process variables.

Features include high-intensity custom LED's, three bar display colors (red, green and yellow) and simplified adjustment of alarm setting.



RECORDERS/INDICATORS

Specifications

Model	Model No.	SIA	SIB	SIC	SID
Model	No. of indicating points	1	2	1	1
	Alarm	-	-	High/low limit	High high limit/low low limit
Input	Input	4 to 20mA dc and 0 to 1mA dc, or voltage 1 to 5Vdc, 0 to 1Vdc or 0 to 5Vdc			
	Response time	0.5s			
	Input impedance	Lower than 10W at 4 to 20mA dc input, higher than 250kW at 1 to 5Vdc input			
	Zero span adjustment	±10%FS			
Indicating Action	Signals	Red, green, yellow LED bar dots (color section) Display flashes (SIA, SIB only) when input is complete			
	Range	0 to 100%FS			
	Accuracy	±1%FS ± 1 dig			
Setting Alarms (SIC-SID)	Range	High/low limit	High limit value (H) 100%FS to (low limit value + 1%FS) Low limit value (L) (High limit value to 1%FS) to 0%		
		High-high limit/low-low limit	High limit value (HH) 100%FS to (High limit value + 1%FS) High limit value (H) (High high limit value - 1%FS) to (Low low limit value + 1%FS) Low limit value (L) (Low limit value - 1%FS) to (Low low limit value + 1%FS) Low low limit value (LL) (Low limit value - 1%FS) to 0%		
	Type	Dry contact 125Vac 0.5A, 30Vdc 24 resistive load			
	Design	Ambient temperature	0 to 50°C		0 to 45°C
	Weight	approx. 500g	approx. 590g	approx. 400g	
	Rated voltage	100/110, 200/220, 120, 240Vac 50/60Hz or 24Vdc			
	Allowable voltage	90 to 121V (100/110V), 180 to 242V (200/220V), 102 to 132V (120V), 240 to 264V (240V), 20.4 to 27.6Vdc (24Vdc)			
	Construction	Case: ABS resin Cover: Acryl resin Nameplate: ABS resin			
	Mounting	Embedded mounting into indoor panel			
	Standard accessories	Mounting spacer (2)			

Selection Guide I II III IV V Example: SIA8CRA32X

Table	Selection				Description	
					No. of displays	No. of Alarms 1
I	Basic Model No.	SIA	↓		1	0
		SIB		↓	2	0
		SIC	↓		1	2 (High low limits)
		SID	↓		1	4 (High high and low low limits)
II	Power supply voltage	1	○	○	100/110Vac 50/60Hz	
		2	○	○	200/220Vac 50/60Hz	
		5	○	○	120Vac 50/60Hz	
		6	○	○	240Vac 50/60Hz	
III	Input	C	○	○	4 to 20mA dc	
		F	○	○	0 to 1mA dc	
		L	○	○	0 to 1Vdc	
		V	○	○	1 to 5Vdc	
		Y	○	○	0 to 5Vdc	
IV	No.1 display color	R	○	○	Red	
		G	○	○	Green	
		Y	○	○	Yellow	
	No.1 display range	(*)	○	○	(See range code selection table)	
V	No.2 display color	R	-	○	Red	
		G	-	○	Green	
	(SIB Model only)	Y	-	○	Yellow	
		No.2 display range	(*)	-	○	(See range code selection table)

Range Code Selection Table

↓	Selection	Description																	
○	Unit	A	C	D	F	G	H	I	O	Q	X	Y	Z	U	-	-	-	-	
		Nm ³ /h	%	m ³ /h	mmH ₂ O/kgf/cm ²	l/min	6°C	pH	Kcal/h	m	mm	No. unit	ppm	-	-	-	-		
○	Mantissa	→ 1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I
		→ 1	2	3	4	5	6	7	8	9	15	25	35	45	55	65	75	85	95
○	Index	→ 7	8	9	0	1	2	3	4	5	6	-	-	-	-	-	-	-	-
		→ 10 ³	10 ²	10 ¹	10 ⁰	10 ⁻¹	10 ⁻²	10 ⁻³	10 ⁻⁴	10 ⁻⁵	10 ⁻⁶	-	-	-	-	-	-	-	
○	Hi/Lo	→ X	W																
	Range limits	0 to high limit value										± limit value							

Dimensions (unit:mm)

