

SI Series

DIGITRONIK™

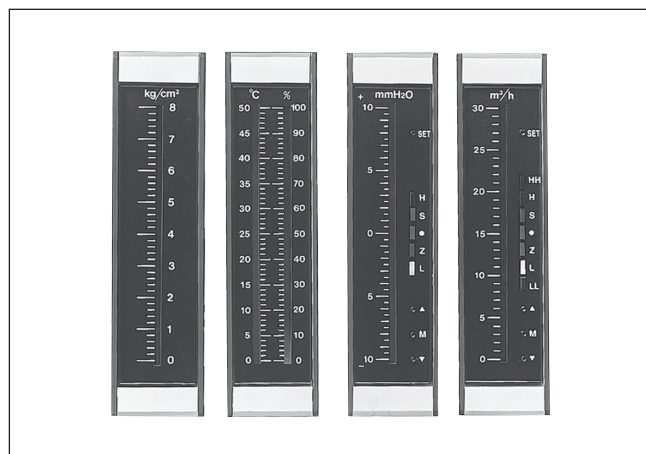
Smart Indicator with LED Bar Graph Indicator

Overview

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

Features

- Bar graph features high-intensity custom LED's
- Three display colors available: red, green and yellow
- Alarm setting and zero span adjustment easily performed

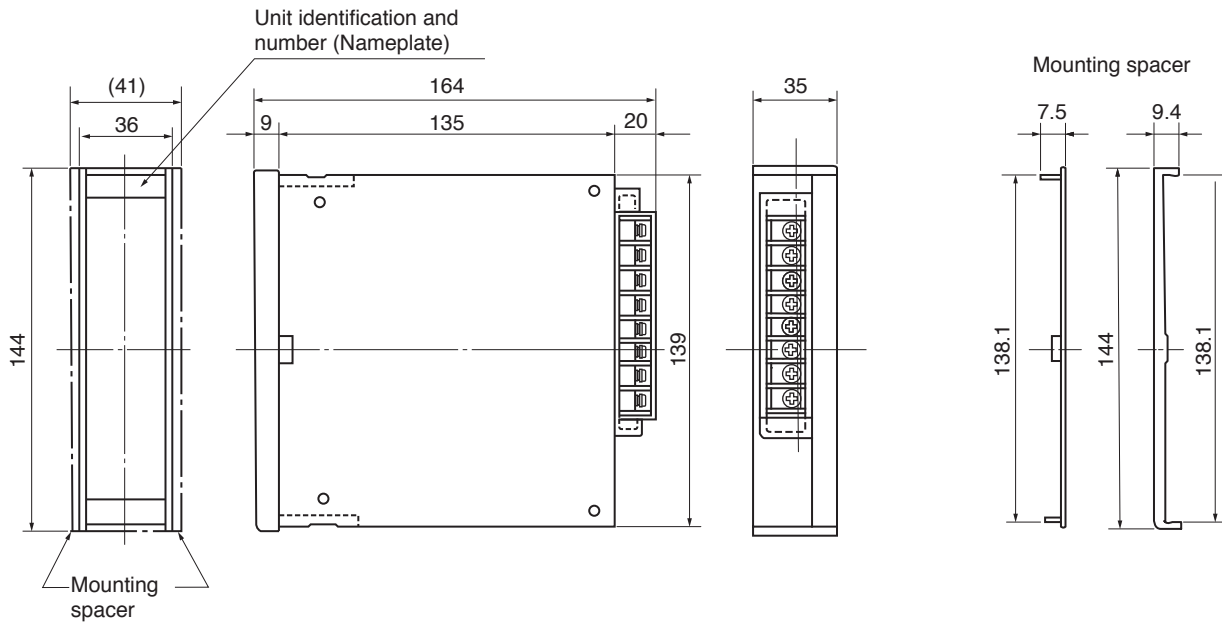


Specifications

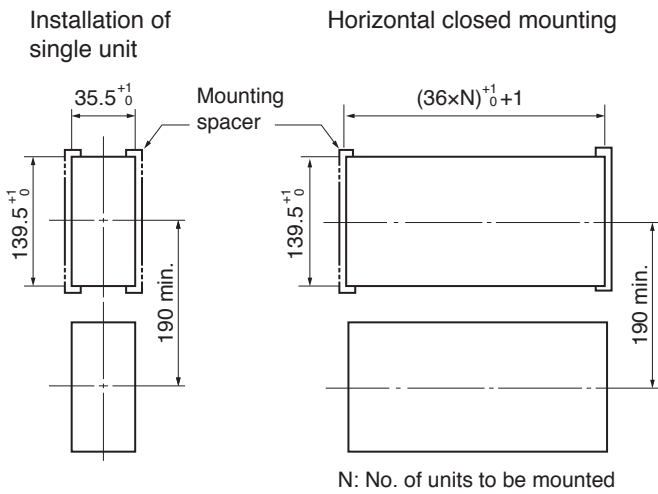
Item	Description			
	SIA	SIB	SIC	SID
Model	Model No.			
	No. of indicating points	1	2	1
	Alarm	–	–	High/low limit
Input	Input	4 to 20mA DC and 0 to 1mA DC, or voltage 1 to 5V DC, 0 to 1V DC or 0 to 5V DC		
	Response time	0.5 sec.		
	Input impedance	Lower than 10Ω at 4 to 20mA DC input, higher than 250kΩ at 1 to 5V DC input		
	Zero span adjustment	±10% FS		
Indicating action	Signals	Red, green, yellow LED bar dots (color selection) Display flashes (SIA, SIB only) when input is complete.		
	Range	0 to 100% FS		
	Accuracy	±1% FS ±1 digit		
Setting alarm (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-high limit value (HH) 100% FS to (High limit value + 1% FS)	
			High limit value (H) (High-high limit value -1% FS) to (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%				
Output	–	Dry contact 125V AC 0.5A, 30V DC 24 resistive load		
Design	Ambient temperature	0 to 50°C		0 to 45°C
	Weight	Approx. 500g	Approx. 590g	Approx. 400g
	Storage temperature	-20 to +70°C		
	Rated voltage	100/110, 200/220, 120, 240V AC 50/60Hz, or 24V DC		
	Allowable voltage	90 to 121V (100/110V), 180 to 242V (200/220V), 102 to 132V (120V), 240 to 264V (240V), 20.4 to 27.6V DC (24V DC)		
	Construction	Case: ABS rein Cover: Acryl resin Nameplate: ABS resin		
	Standard colors	Scale: Black aluminum Bezel case: Moss green Munsell 2.5GY3/1		
	Mounting	Embedded mounting into indoor panel		
	Standard accessories	Mounting spacer (2)		

Dimensions

(Unit: mm)



Panel cutout



No. of mounting spacer:

One spacer on both sides of panel either for single-unit or multi-unit installation.

Model selection guide

Example:

(1) SIA, SIC, SID types:

I	II	II	IV	
SIA	8	C	R	A32X

(2) SIB type:

I	II	II	IV		V	
SIB	8	C	R	A32X	G	F50W

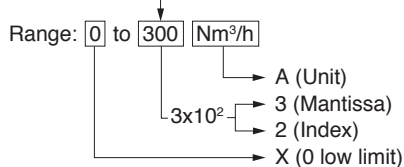
Item	Selection	Code			No. of displays	Number of alarms
I	Basic model number	SIA	↓		1	0
		SIB		↓	2	0
		SIC	↓		1	2 (High low limits)
		SID	↓		1	4 (High-high and low-low limits)
II	Power supply voltage	1	0	0	100/110V AC 50/60Hz	
		2	0	0	200/220V AC 50/60Hz	
		5	0	0	120V AC 50/60Hz	
		6	0	0	240V AC 50/60Hz	
		8	0	0	240V DC	
III	Input	C	0	0	4 to 20mA DC	
		F	0	0	0 to 1mA DC	
		L	0	0	0 to 1V DC	
		V	0	0	1 to 5V DC	
		Y	0	0	0 to 5V DC	
IV	No. 1 display color	R	0	0	Red	
		G	0	0	Green	
		Y	0	0	Yellow	
	No. 1 display range	(*)	0	0	(See range code selection table)	
V	No. 2 display color	R		0	Red	
		G		0	Green	
		Y		0	Yellow	
	No. 2 display range	(*)		0	(See range code selection table)	

Range code selection table

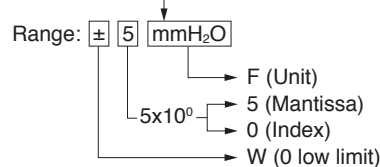
↓	Selection	Code availability																		
		A	C	D	F	G	H	I	O	Q	X	Y	Z	U	S	T	V	W	-	-
○	Unit	m ³ /h[N]	%	m ³ /h	mmH ₂ O	kgf/cm ²	l/min	°C	pH	Kcal/h	m	mm	none	ppm	hPa	Pa	kPa	MPa	-	-
○	Mantissa	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	G	H	I	J
○	Index	7	8	9	0	1	2	3	4	5	6	-	-	-	-	-	-	-	-	-
○	Hi/Lo	X									W									
○	Range limits	Minimum value: 0									Minimum value = - (maximum value), as ±50°C (mid range: 0)									

Example:

(1) SIA 8C R A32X E

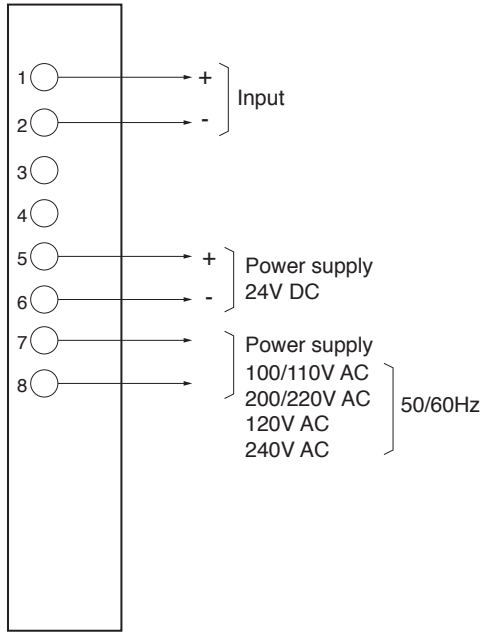


(1) SIA 8C R A32X G F50W E

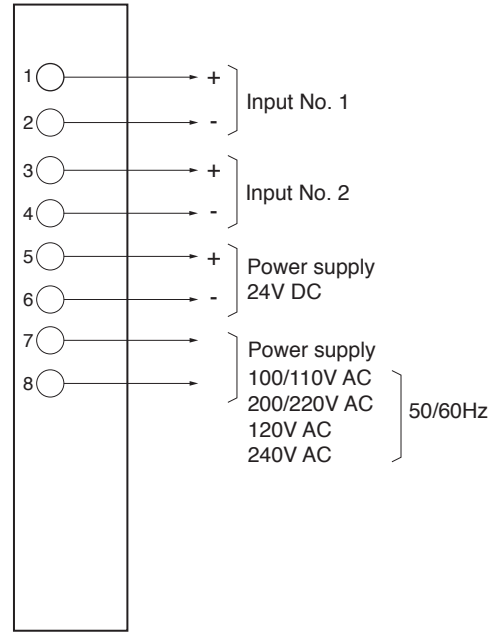


Wiring

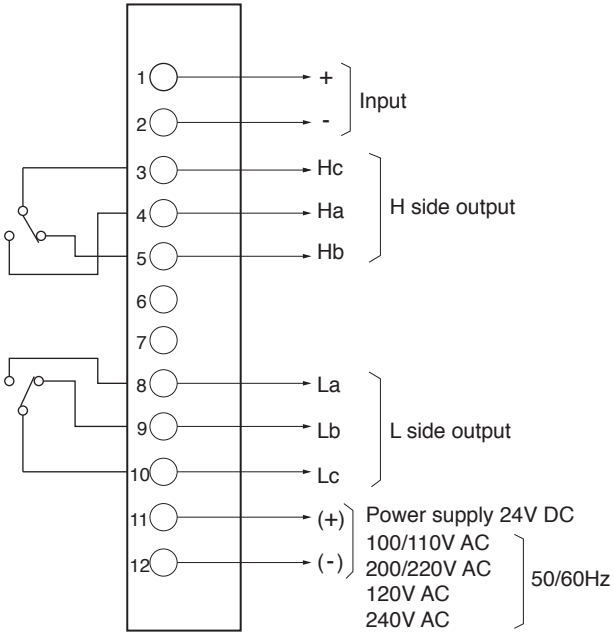
SIA type



SIB type

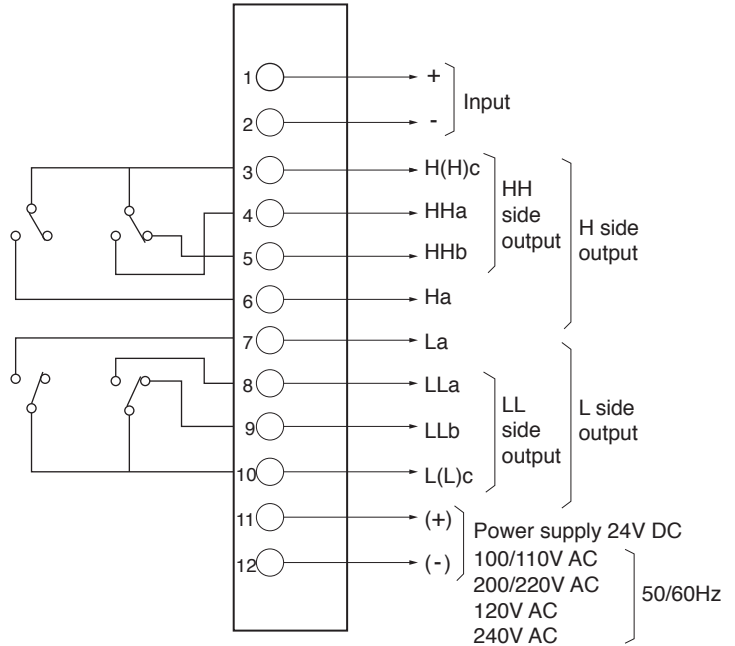


SIC type



() Polarity of 24V DC power supply

SID type



() Polarity of 24V DC power supply

Please read the "Terms and Conditions" from the following URL before ordering or use:

<http://www.azbil.com/products/bi/order.html>

Specifications are subject to change without notice.

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