

FC SERIES MOVING COIL TYPE INDICATOR

DATA SHEET

This is an indicator compatible with various types of inputs such as FC series signal, DC voltage and current signals as well as thermocouple and resistance bulb signals.

FEATURES

- 1. Various types of signals can be input directly to the indicator.
- 2. High input impedance The instrument has an input impedance of 1 M Ω for input of 1 to 5V DC. No circuit adjusting resistor is required for thermocouple input.
- 3. The indicator is compact and light weight.

SPECIFICATIONS

Measuring input: FC series signal

<i>.</i>	r e series signa		
		A; 1 to 5V DC	
		B; 4 to 20mA DC	
	DC current	D; 0 to 100 µA	
		200mA DC	
	DC voltage	E; 0 to 10mV 5V DC	
	Thermocouple	F; 0 to 10mV DC or more	
		(With reference junc-	
		tion compensator)	
		(Upper limit overshoot	
		burnout circuit is avail-	
		able on request)	
	Thermocouple	G;10mV DC span or	
		more	
		(With reference junc-	
		tion compensator)	
		(Upper limit overshoot	
		burnout circuit is avail-	
		able on request)	
	Resistance bulb H;		
		JPt100Ω	
		50°C span or more,	
		three-wire type	
	Resistance bulb W;		
		Pt100 Ω	
		50°C span or more,	
		11	

three-wire type



Slide resistance (resistance span 100Ω) J: Three wire type K: Two-wire type (with circuit adjusting resistor) Opening angle transmitter L: Three-wire type, resistance span 100Ω (Zero point and span adjustable)

Input resistance and allowable input signal source resistance;

In	put signal	Input resistance	Allowable input signal source resistance	
Voltage	1 to 5V	1ΜΩ	2k Ω or less	
	Others	40k Ω to 1M Ω	100 Ω or less	
Current	4 to 20mA	5Ω	—	
	Others	1 to 100Ω	_	
Thermocouple Resistance		40 to 600k Ω	100Ω or less (50 Ω or less when burnout cir- cuit is provided)	
		—	6Ω or less per wire	

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PBA

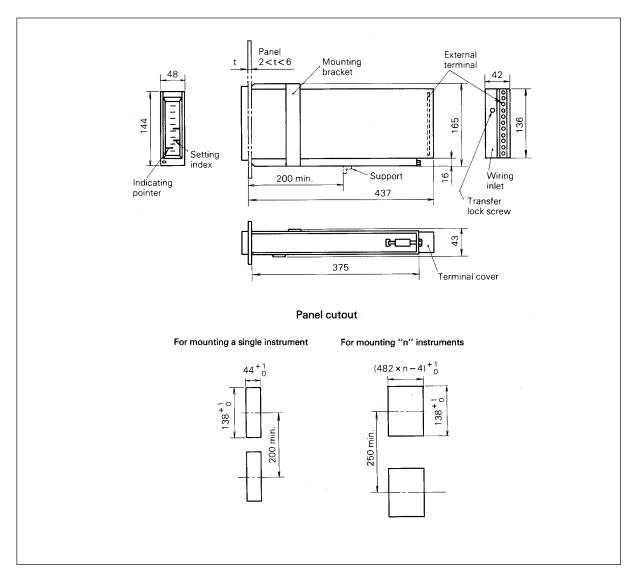
A II	1.00/					
Allowance:	±1.0%					
	th: 100mm					
Response time		ime required for stabilizing the				
		er within $\pm 1.5\%$ after applying				
	input correspo	onding to 2/3 (approx.) of full				
	scale)					
Power supply:	: 24V (20 to 30V) DC or					
	100V±10% AC	C, 50/60Hz				
Power indicato	Power indicator lamp:					
	Rectangular gr	een LED				
Power consum	ption:					
	Approx. 4W (24V DC)					
	Approx. 4.5VA	(100V AC)				
Ambient temp	erature:					
	0 to 45°C					
Ambient humi	dity:					
	90% RH max.					
Enclosure:	Steel case					
External dimer	nsions (H x W >	< D):				
	144 x 48 x 437	mm				
Weight:	Approx. 3kg					
Finish color:	Munsell 7Y 7.3	3/1.4				
Optional devic						
	Alarm device					
		H or A), lower limit (L or B),				
	upper and lower limits (K or C, with one					
	common contact)					
		Iracy: ±1.0%				
	H, L, K:	Excitation alarm				
	A, B, C:	Non-excitation alarm				
	Contact:	On alarm type, off alarm is				
	Contact.	available on request				
	Contact con	•				
	Contact capa					
	24V, 0.2	3A AC A DC } (resistive load)				
	1 -					
	Alarm indica	•				
с <u>с</u> г г г	0	displayed with red LED				
Scope of delivery:						
		d mounting bracket				
Mounting meth						
	Panel flush r	-				
		/ertical mounting on vertical				
	panel					
		d: Titled mounting				
	(angle α to	o be specified)				
		,				
		\sim				
		//				

 $\underline{\alpha}$ $\alpha = 90$ to 0°

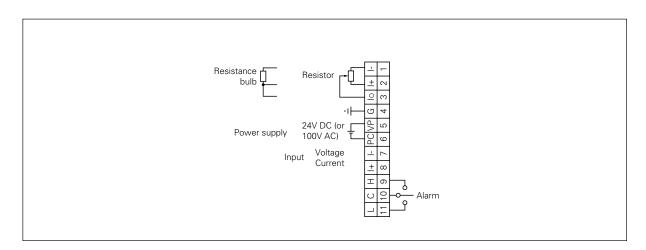
CODE SYMBOLS

1 2 3 4 5 6 7 8 9 10	
P B A 1 - 2	Description
	Input signal
A	1 to 5V DC
В	4 to 20mA DC
D	0 to 100μA200mA DC
E	0 to 10mV5V DC
F	0 to 10mV DC or more (with reference
	junction compensator)
G	10mV DC span or more (with reference
	junction compensator)
H	Resistance bulb JPt 100Ω , 50°C span or
W	more, three-wire type
	Resistance bulb Pt 100Ω, 50°C span or more,three-wire type
	Slide resistant, three-wire type
ĸ	Slide resistant, two-wire type
	(with circuit adjusting resistor)
	For opening angle indicator (resistance
	100Ω , zero point and span adjustable)
* Z	Other inputs
	Alarm device
Η	Upper limit
L	Lower limit > Excitation alarm
K	Upper and (ON alarm)
	lower limits
* A	Upper limit
* B	Lower limit Non-excitation alarm
* C	Upper and (ON alarm)
	lower limits
Y	Without alarm
	Power supply
1	24V DC
* 3	100V AC 50/60Hz
	Application
0	For general use
3	For connecting Zener barrier:
	"3" to be specified for connecting the
	indicator with thermocouple, resistance bulb
	input to Zener barrier (PWZB3 or PMZB4).
	Mounting-mehtod
2	Vertical mounting
	Alarm indicator lamp
0	None
* 1	provided
Notes	Symbols of resistance bulbs are as follows.
Notes.	Jpt 100 Previous JIS standard
	pt 100 New JIS standard

OUTLINE DIAGRAM (Unit : mm)



CONNECTION DIAGRAM



ORDERING INFORMATION

- 1. Product name
- 2. Code symbol
- 3. Input
- 4. Scale
- 5. Whether or not alarm device and alarm indicator lamp are required
- 6. Power supply
- 7. Application
- 8. Other necessary information

▲ Caution on Safety
*Before using this product, be sure to read its instruction manual in advance.

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Information in this catalog is subject to change without notice.

Asterisked (*) items; Non-standard.