

FC SERIES MOVING COIL TYPE INDICATOR

DATA SHEET

PBA

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.

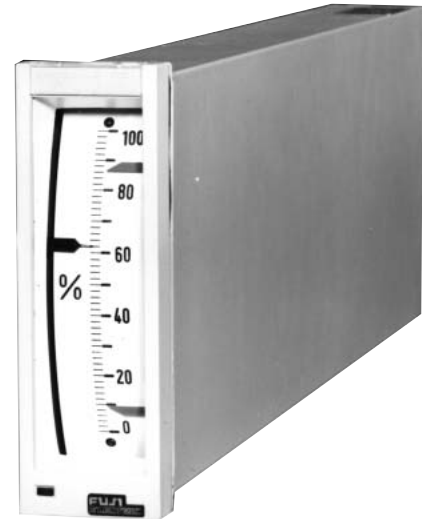
FEATURES

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

- A; 1 to 5V DC
- B; 4 to 20mA DC
- DC current D; 0 to 100 μ A
...200mA DC
- DC voltage E; 0 to 10mV ... 5V DC
- Thermocouple F; 0 to 10mV DC or more
(With reference junction compensator)
(Upper limit overshoot burnout circuit is available on request)
- Thermocouple G; 10mV DC span or more
(With reference junction compensator)
(Upper limit overshoot burnout circuit is available on request)
- Resistance bulb H;
JPt100 Ω
50°C span or more,
three-wire type
- Resistance bulb W;
Pt100 Ω
50°C span or more,
three-wire type

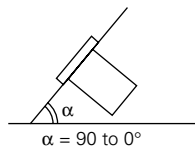


- Slide resistance (resistance span 100 Ω)
 - J: Three wire type
 - K: Two-wire type
(with circuit adjusting resistor)
- Opening angle transmitter L:
 - Three-wire type, resistance span 100 Ω (Zero point and span adjustable)

Input resistance and allowable input signal source resistance;

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

- Allowance:** ±1.0%
- Scale length:** 100mm
- Response time:** Within 3 sec (time required for stabilizing the indicator pointer within ±1.5% after applying input corresponding to 2/3 (approx.) of full scale)
- Power supply:** 24V (20 to 30V) DC or 100V±10% AC, 50/60Hz
- Power indicator lamp:**
Rectangular green LED
- Power consumption:**
Approx. 4W (24V DC)
Approx. 4.5VA (100V AC)
- Ambient temperature:**
0 to 45°C
- Ambient humidity:**
90% RH max.
- Enclosure:** Steel case
- External dimensions (H x W x D):**
144 x 48 x 437mm
- Weight:** Approx. 3kg
- Finish color:** Munsell 7Y 7.3/1.4
- Optional devices (optional items):**
- Alarm device
Upper limit (H or A), lower limit (L or B), upper and lower limits (K or C, with one common contact)
Setting accuracy: ±1.0%
H, L, K: Excitation alarm
A, B, C: Non-excitation alarm
Contact: On alarm type, off alarm is available on request
Contact capacity:
100V, 0.3A AC } (resistive load)
24V, 0.2A DC }
 - Alarm indicator lamp
Alarm signal displayed with red LED
- Scope of delivery:**
Indicator and mounting bracket
- Mounting method:**
Panel flush mounting
Standard: Vertical mounting on vertical panel
Non-standard: Titled mounting (angle α to be specified)

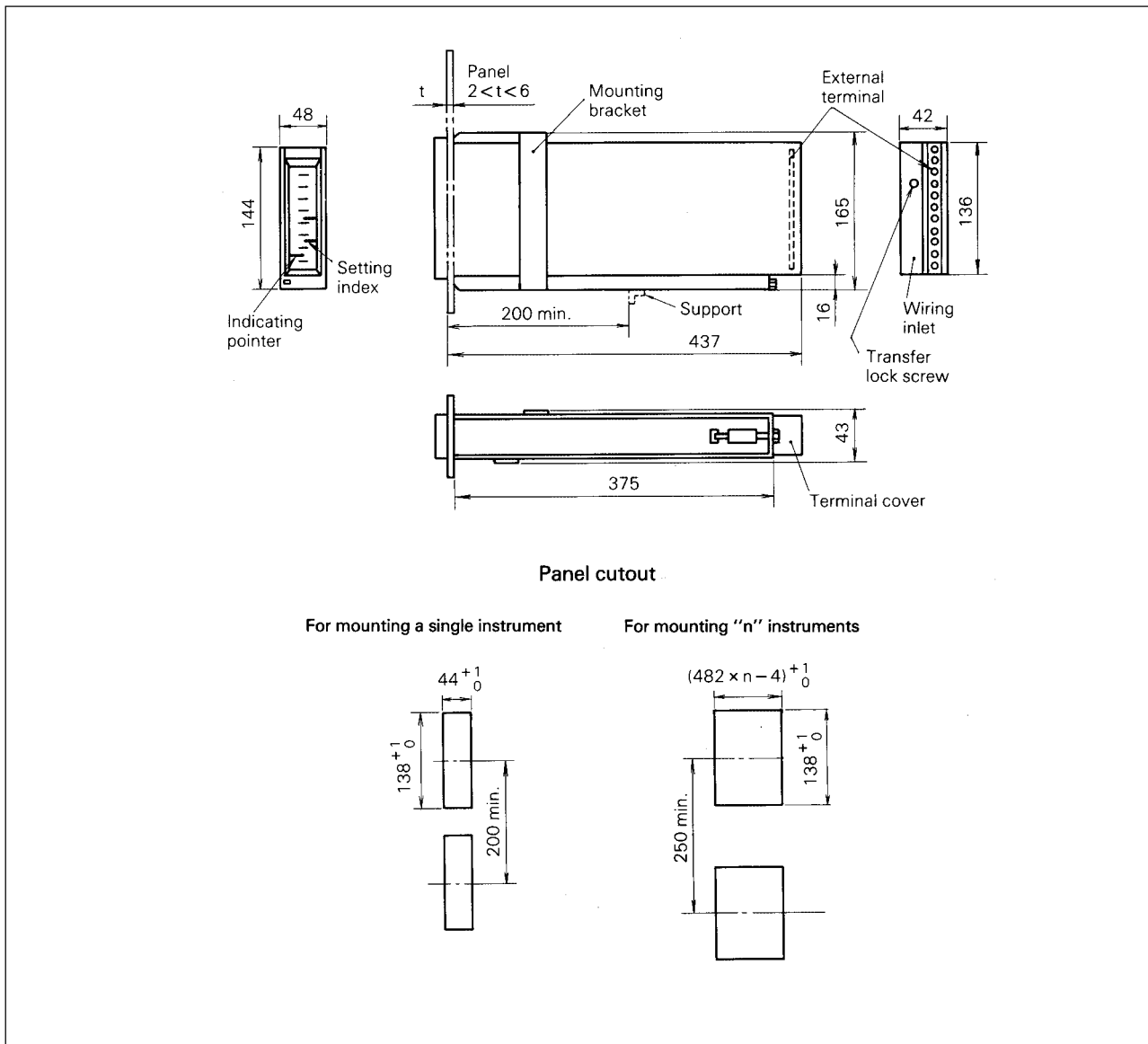


CODE SYMBOLS

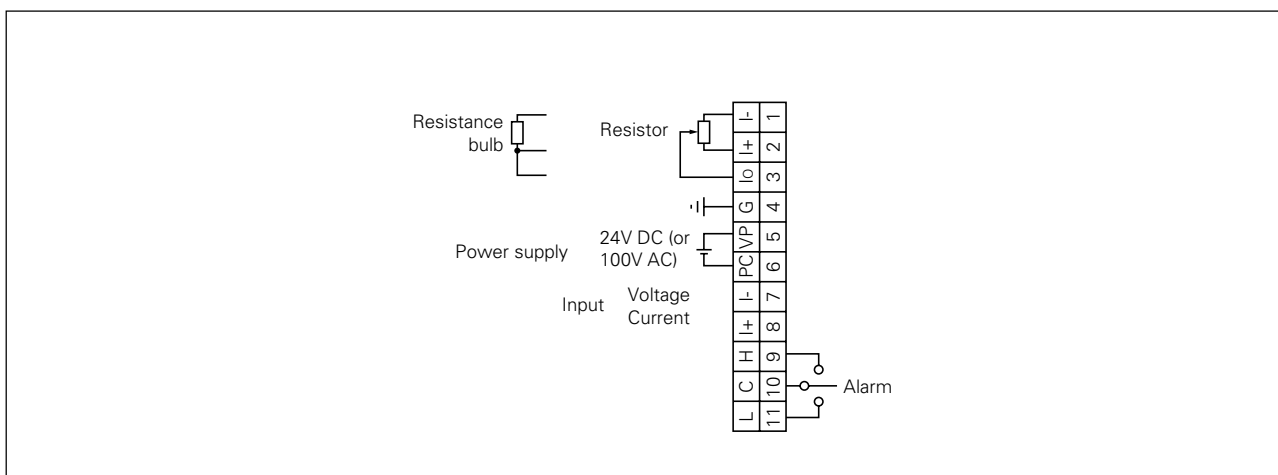
1 2 3 4 5 6 7 8 9 10		Description								
P	B	A						1	2	
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B										
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G										
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* C										
Y										
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* 3										
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3										
2										
0										
* 1										

Notes: Symbols of resistance bulbs are as follows.
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.

Asterisked (*) items; Non-standard.

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