

# MOVING COIL TYPE INDICATOR

DATA SHEET

PAJ

The moving coil type indicator receives various types of input signals, DC voltage, DC current, and signals from thermocouple and resistance bulbs.

### **FEATURES**

- 1. Input signal can be directly connected.
- 2. High input impedance (1M $\Omega$  at 1 to 5V DC input). No adjusting resistor is required for thermocouple input.
- 3. Compact and lightweight design.



## **SPECIFICATIONS**

Downloaded from Elcodis.com electronic components distributor

Measuring input: Signal

A; 1 to 5V DC B; 4 to 20mA DC

DC current

D; 0 to 100 $\mu$ A ...... 200mA DC

DC voltage

E; 0 to 10mV ...... 5V DC

Thermocouple

F; 0 to 10mV DC or more

(with reference junction compen-

sator)

(Upper limit overshoot burnout circuit is available on request)

Thermocouple

G; 10mV DC span or more

(with reference junction compen-

sator)

(Upper limit overshoot burnout

circuit is available on request)

Resistance bulb

H; JPt100 $\Omega$ 

50°C span or more 3-wire type

 $\text{W; Pt100}\Omega$ 

50°C span or more 3-wire type

Slide resistant (resistance span;  $100\Omega$ )

J; 3-wire type

K; 2-wire type (with adjusting resistor)

Opening angle transmitter (resistance

span:  $100\Omega$ )

L; 3-wire type

(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	1ΜΩ	$2k\Omega$ or less
	Others	$40$ k $\Omega$ to $1$ Μ $\Omega$	100 $\Omega$ or less
Current	4 to 20mA	5Ω	-
	Others	1 to 100Ω	-
Thermocouple		40 to 600kΩ	100 $\Omega$ or less (50 $\Omega$ or less when burnout
Resistance		-	is provided) $6\Omega$ or less per wire

Allowance:  $\pm 1.0\%$  of full scale

Scale length: 100mm

Response time: Within 3 sec (time required for stabilizing

the indicator pointer within  $\pm 1.5\%$  after applying input corresponding

to 2/3 (approx.) of full scale)

Power supply:  $100V \pm 10\%$  AC, 50/60Hz

\*200 $V \pm 10\%$  AC, 50/60Hz, or

\*24V<sub>-10%</sub> AC, 50/60Hz

Power consumption:

Approx. 1.8VA max.

Ambient temperature:

−10 to +50°C

Ambient humidity:

30 to 90%RH

Enclosure: Steel case External dimensions  $(H \times W \times D)$ :

48 × 144 × 210mm

Mass{weight}: Approx. 1.5kg

Finish color: Munsell 7.5BG 3.2/0.8 or equivalent Scope of delivery:Indicator and mounting bracket

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#### Mounting method:

Panel flush mounting

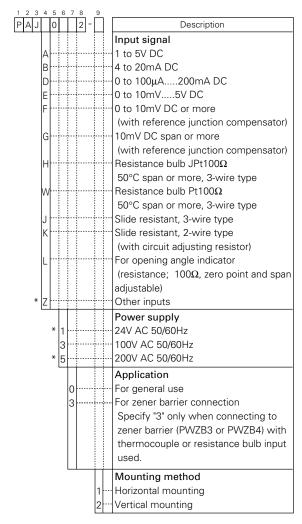
Standard;

Horizontal mounting on vertical panel Non-standard;

Tilted mounting, vertical mounting Specify  $\angle \alpha$  when mounting on tilted panel



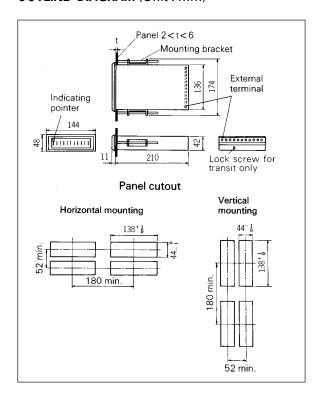
# **CODE SYMBOLS**



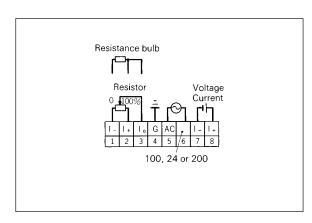
Notes: Symbols of resistance bulbs are as follows. JPt100 Previous JIS standard Pt100 New JIS standard

\*Before using this product, be sure to read its instruction manual in advance.

# **OUTLINE DIAGRAM** (Unit: mm)



## CONNECTION DIAGRAMS



## ORDERING INFORMATION

- 1. Product name
- 5. Power supply
- 2. Code symbols
- 6. Application
- 3. Input
- 7. Other necessary information
- 4. Scale
  - Asterisked (\*) items; Non-standard

## Fuji Electric Systems Co., Ltd.

#### **Head Office**

▲ Caution on Safety

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