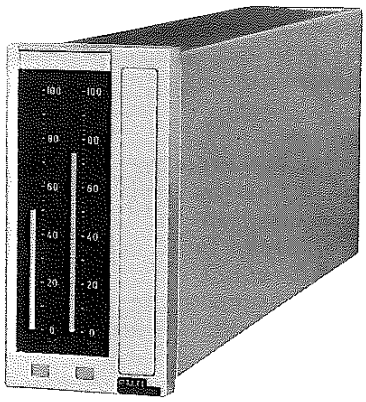
FUJI ELECTRIC

FC SERIES ELECTRONIC INDICATOR

DATA SHEET PMJ

This is a highly reliable electronic indicator using solid state indicator elements and comprising no mechanically moving parts.

The instrument can concentrate a large number of monitoring points within a small space with two indicator elements. It is also effective for comparative indications of monitoring points which are under mutual influence.



FEATURES

1. **Highly reliable construction**
   The solid state indicators have realized very high reliability by completely eliminating mechanically moving parts.
2. **Two-point indicator**
   A single instrument presents indications at two points, thereby permitting to concentrate a large number of monitoring points within a small space. In addition, it facilitates comparative indications between monitoring points which are under mutual influence.
3. **Compliance with international standard**
   The indicator is designed compact in external dimensions in compliance with IEC. Power supply of DC 24V and input signal of 1~5V are also in accordance with IEC. The instrument can also be operated conveniently on commercial power supply of AC 100V.

SPECIFICATIONS

Number of indication points: 2
Input signal: DC 1~5V
Input impedance: 500kΩ or more (33kΩ outside the range)
Time constant of input filter: 33ms
Indication mode: Plasma display (orange)
Number of display segments: 201
Indication accuracy: ± (0.5% + ½ digit) of full scale
Indication resolution: 0.5% of full scale
Scale length: 100 mm

Optional Devices (Alarm devices)

Type: Upper limit, lower limit or upper and lower limits, and excitation ON alarm can optionally be added for each input. When alarm is to be added for a single input, it must be assigned for input No. 1.
Setting range: 0~100% of full scale
Set point indication: Set point read on the process variable indicator upon depressing a push-button.
Alarm indication: ▲(upper limit) and/or ▼(lower limit) red lamp is added on the front panel.
Alarm output: Contact 1a for each alarm
Contact capacity; AC/DC 100V, 0.1A (resistive load)

Site Requirements and Others

Power supply: DC 24V (20~30V) or AC 100V, 50/60 Hz

Power consumption: Approx. 6W (DC 24V) or approx. 9VA (AC 100V)

Dielectric strength: AC 500V for 1 min (DC power supply) or AC 1000V for 1 min (AC power supply)

Insulation resistance: 100MΩ or more at DC 500V

Ambient temperature: 0~45°C

Ambient humidity: 90% RH or less

Enclosure: Steel case

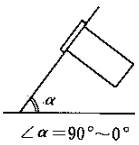
External dimensions (HxWxD): 144x72x400 mm (casing) + terminal board

Weight: Approx. 4.5 kg

Finish color: Munsell 7Y 7.3/1.4

Scope of delivery: Indicator and mounting bracket

Mounting: Panel flush mounting
Standard; Mounting on vertical surface
Non-standard; Inclined mounting

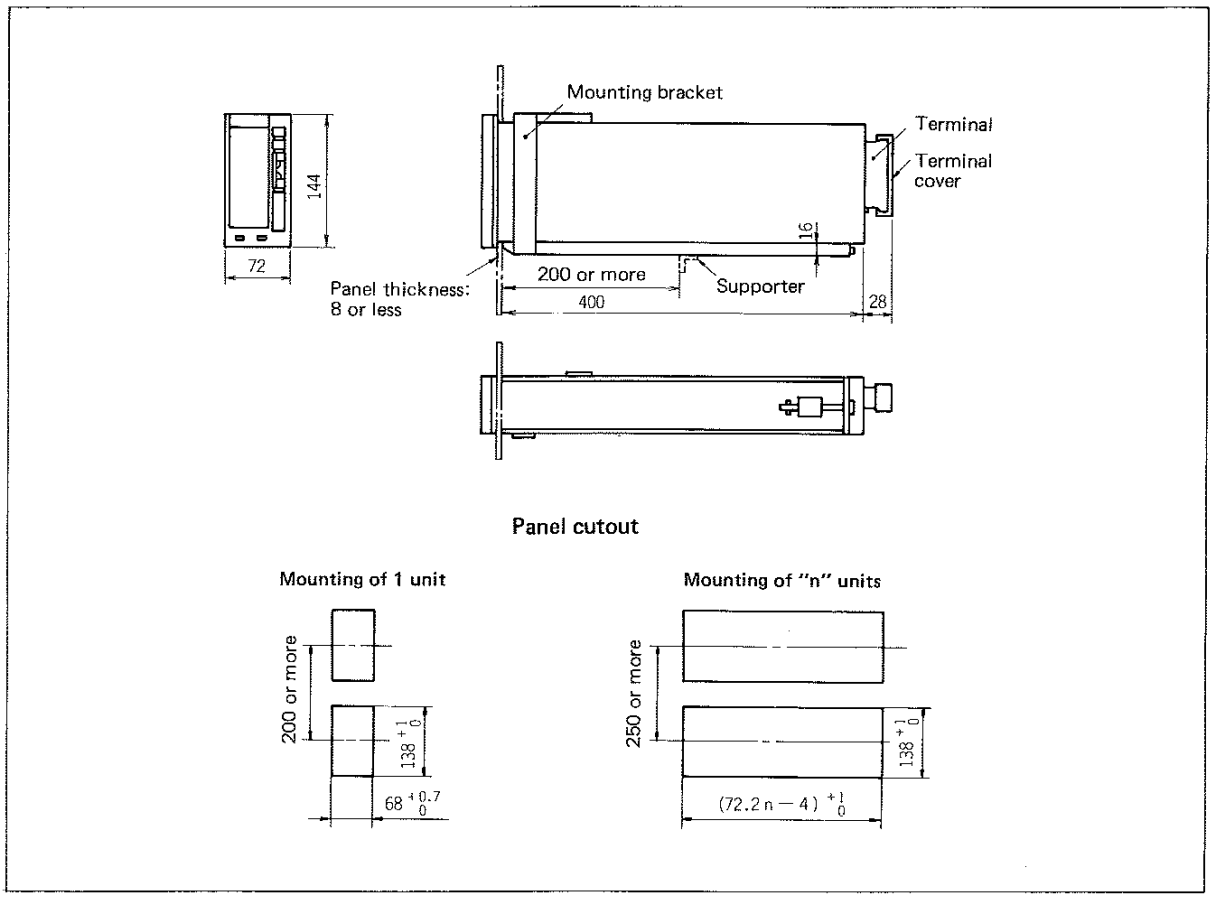


CODE SYMBOLS

PMJ □□□3

	Description	
	Alarm device (absolute value excitation ON alarm)	
	Alarm for input No.1	Alarm for input No.2
YY	None	None
HH	Upper limit	Upper limit
HL	Upper limit	Lower limit
HK	Upper limit	Upper & lower limits
HY	Upper limit	None
LH	Lower limit	Upper limit
LL	Lower limit	Lower limit
LK	Lower limit	Upper & lower limits
LY	Lower limit	None
KH	Upper & lower limits	Upper limit
KL	Upper & lower limits	Lower limit
KK	Upper & lower limits	Upper & lower limits
KY	Upper & lower limits	None
EE	Alarm unit (for future installation)	Alarm unit (for future installation)
	Alarm indicator lamp	
Y	None	
A	Equipped	
	Power supply	
1	DC 24V	
3	AC 100V 50/60 Hz	

EXTERNAL VIEW (Unit : mm)



CONNECTION DIAGRAM