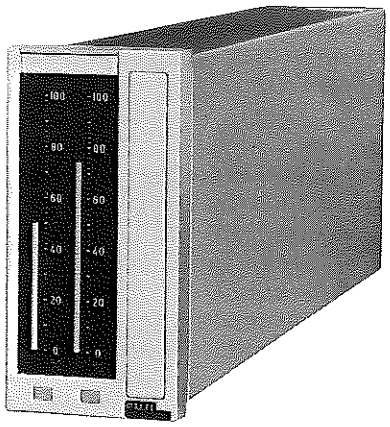
FUJI ELECTRIC

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

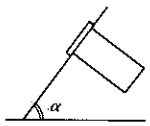
Finish color: Munsell 7Y 7.3/1.4

Scope of delivery: Indicator and mounting bracket

Mounting: Panel flush mounting

Standard; Mounting on vertical surface

Non-standard; Inclined mounting

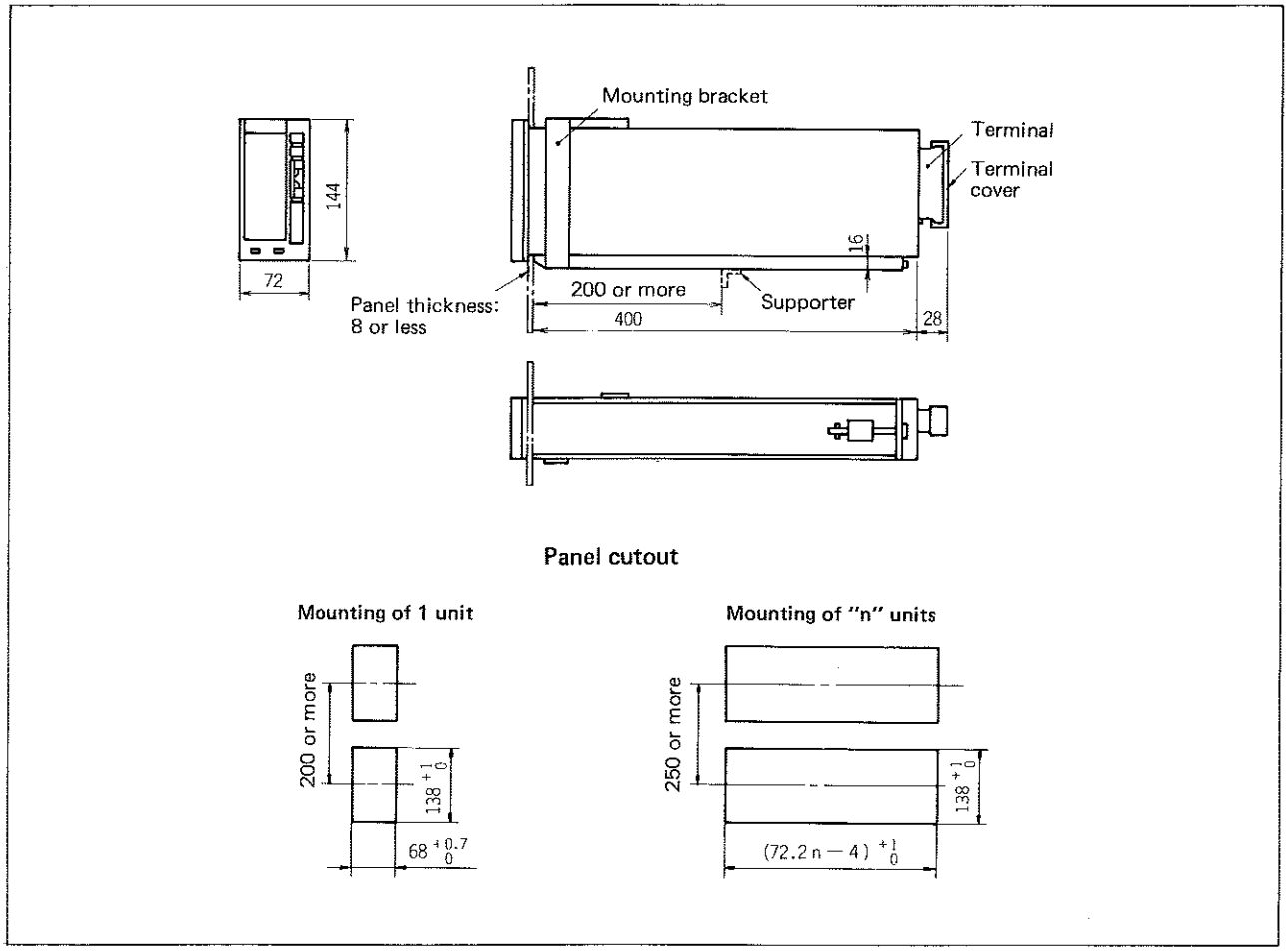


∠α=90°~0°

CODE SYMBOLS

PMJ				3	Description
					Alarm device (absolute value excitation ON alarm)
					Alarm for input No.1 / Alarm for input No.2
Y	Y				None / None
H	H				Upper limit / Upper limit
H	L				Upper limit / Lower limit
H	K				Upper limit / Upper & lower limits
H	Y				Upper limit / None
L	H				Lower limit / Upper limit
L	L				Lower limit / Lower limit
L	K				Lower limit / Upper & lower limits
L	Y				Lower limit / None
K	H				Upper & lower limits / Upper limit
K	L				Upper & lower limits / Lower limit
K	K				Upper & lower limits / Upper & lower limits
K	Y				Upper & lower limits / None
E	E				Alarm unit (for future installation) / Alarm unit (for future installation)
		Y			**Alarm indicator lamp**
					None
		A			Equipped
					Power supply
				1	DC 24V
				3	AC 100V 50/60 Hz

EXTERNAL VIEW (Unit : mm)



CONNECTION DIAGRAM

