

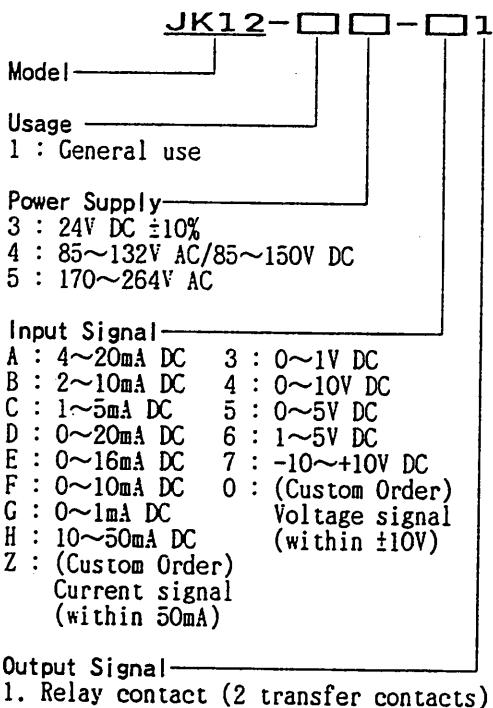
General Specifications

JK12
Alarm Setter

JUXTA

This unit inputs DC voltage or current signal and converts it into alarm contact point after comparing it with internal setup value.

- Dual alarm outputs. Can setup alarm operating point, lockup width, operating direction, ON ready time, OFF ready time through Handy Terminal.
- Output relay can select excitation/non-excitation of normal time.



Input & Output

Input signal : DC voltage or current signal

Input resistance :

- Voltage input : 1MΩ (100kΩ when power off)
- Current input :
 - 250Ω (measuring current more than 4mA)
 - 1kΩ (measuring current less than 4mA)

Permissible applicable voltage:

- Less than ±15VDC

Permissible input current :

- Less than 40mA when input resistance 250Ω
- Less than 10mA when input resistance 1kΩ

Output feature : Relay contact

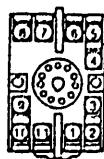
Output points : 2 alarm outputs

NC, NO transfer contacts

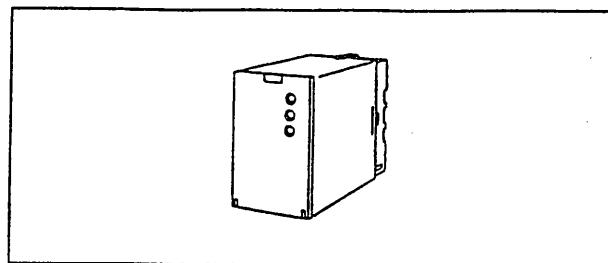
Excitation/non-excitation of normal time is selectable through Handy Terminal

Input & Output	
Contact point capacity :	
100V AC	1A (resistance load)
220V AC	0.5A (resistance load)
30V DC	1A (resistance load)
125V DC	0.1A (resistance load)
Connect surge absorber when	
connect conductance load	
Setup of alarm operating direction :	
HIGH alarm/Low alarm selectable	
Setup of alarm operating point :	
0~100% (minimum resolution : 0.1%)	
Setup of lockup width :	
0~100% of span (minimum resolution : 0.1%)	
Setup of ON READY time :	
0~600 seconds (minimum resolution : 1 second)	
Setup of OFF READY time :	
0~600 seconds (minimum resolution : 1 second)	
Standard Performance	
Alarm operating point setup accuracy :	
±0.1% of span (±0.2% for current input)	
Alarm operating point reproducibility :	
±0.1% of span	
Response time : 350ms max (input 10%→90%,	
alarm operating point 50%, ready time 0 second)	
whereas no response for about 100ms pulse input	
Insulation resistance : More than 100MΩ (500V DC)	
between input~output~power supply~ground	
Withstand voltage : 2000V AC/minute between	
input~output~power supply~ground	
1000V AC/minute between	
Alarm-1 output~Alarm-2 output	
Temperature range : 0~50°C	
Humidity range : 5~90% RH (no condensation)	
Power voltage : 24V DC±10%, 85~150V AC,	
170~264V AC	
Effect of power voltage fluctuation to alarm	
operating point :	
Less than ±0.1% of span for power voltage	
fluctuation of 24V DC±10%, 85~150V AC,	
170~264V AC	
Effect of ambient temperature change against	
alarm operating point :	
Less than ±0.2% of span for 10°C change	
Current dissipation : 24V DC 80mA, 110V DC 20mA	
Power dissipation : 110V AC 5VA, 200V AC 7VA	
Mounting, Shape & Accessories	
Materials	Case ABS plastic
Mounting method	Wall and DIN rail mountings
Connecting method	M3.5 screw terminal connection
Outer dimension	85x50x132mm(HxWxD)
Weight	Abt. 350g
Accessories	Tag number label ... 2 Spacer ... 1 (use for DIN rail mounting)

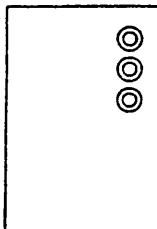
TERMINAL ARRANGEMENT



1	ALARM-1 OUTPUT	NO
2		NC
3		COM
4	ALARM-2 OUTPUT	COM
5	INPUT SIGNAL	+
6		-
7		L+
8	POWER SUPPLY	N-
9		G
10	ALARM-2 OUTPUT	NO
11		NC

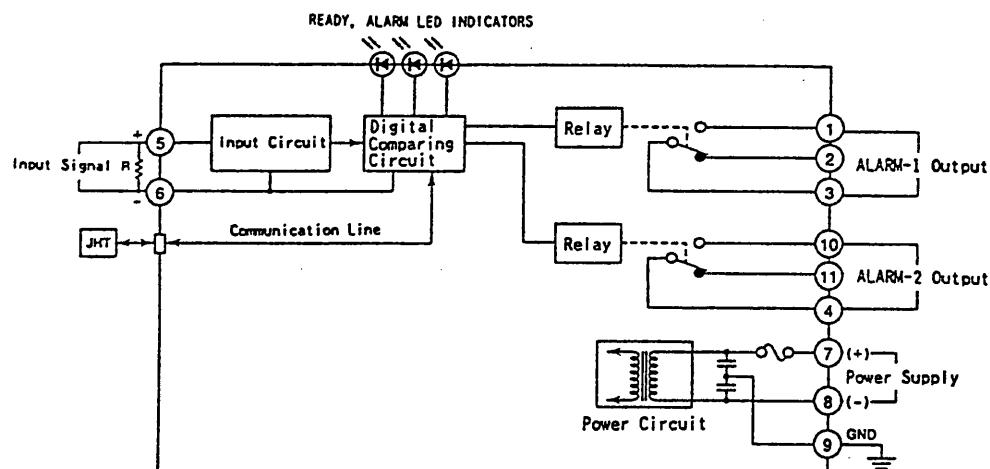


FRONT INDICATORS

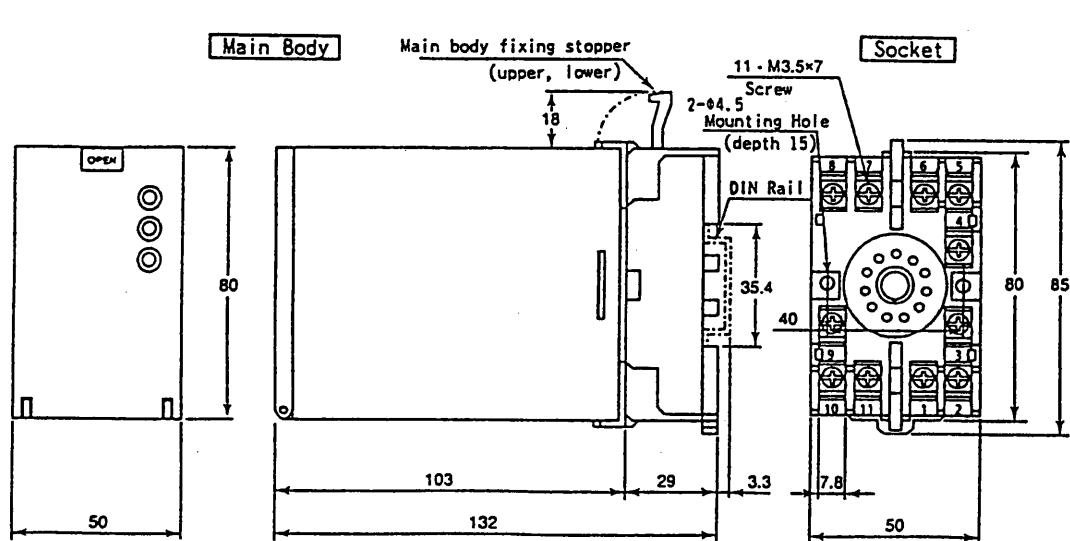


READY Indicator (Green)
ALM-1 Indicator (Yellow)
ALM-2 Indicator (Yellow)

BLOCK DIAGRAM



EXTERNAL DIMENSION



Subject to change without notice for grade up quality and performance