JUXTA W Series General Specifications

Model : WH1K

Alarm Setter

JUXTA

1. GENERAL

This instrument inputs voltage or current signals and compares them with internal input values set in advance and then outputs alarm contact points.

- Two alarm output points; each can set alarm point, lockup width and operational direction.

2. SPECIFICATIONS

IO Specifications	
Input signal	DC current or voltage signals
Input resistance	1 MΩ for voltage input. 100Ω ~ 1kΩ for current input
Permissible input range	30V DC max when voltage input
Possible setting range of lock-up width	0~10%
Output signal format	Relay contact
Number of contact	2 alarm output contact points
Contact capacity	100V AC 1A 220V AC 0.5A 30V DC 1A } when resistance load 125V DC 0.1A
Accuracy of alarm operation setting point	±0.2% when input of 4~20mA DC, 1~5V DC ±1% when other inputs
Alarm operation reproductivity	±0.05% of span
Standard performance	
Burn-out	None (0% max)
Signal isolation	Between input signal~output signal~power supply circuit
Insulation resistance	100MΩ min (at 500V DC) between input~output~power supply (DC drive) input~output~power supply~ground (AC drive)
Voltage withstand	1000V AC/minute between input~output~power supply (DC drive) input~output~power supply~ground (AC drive)
Ambient temperature and humidity	Normal operating condition: 0~50°C, 5~90% RH Operating limit: -10~60°C, 5~95% RH Storage condition: -40~70°C, 5~95% RH (No condensation)
Power supply voltage	24V DC±10% (24V DC drive) 85~264V AC (100V AC drive)
Effect of power supply voltage fluctuation	±0.1% max of span per 85~264VAC or 24V DC ±10% fluctuation
Effect of change in ambient temperature	±0.2% max of span per 10°C change in temperature
Current dissipation	24V DC 60mA (WH1KA, V-1)
Power dissipation	100V AC 6VA (WH1KA, V-2)
Mountings and dimensions	
Material	Case: ABS plastic
Boards	Both sides glass-epoxy
Mounting methods	Rack, wall, or DIN rail
Connection method	M4-screw terminals
External dimensions	72 x 48 x 127 mm (h x w x d)
Weight	DC drive: approx. 150g, AC drive : approx. 300g
Accessories	
Tag number labels: 1 Mounting blocks: 2	M4 mounting screws: 4

WH1K-□1-□*B

TYPE NO.

INPUT SIGNAL

A: 4~20mA DC (input resistance:250Ω)
B: 2~10mA DC (input resistance:500Ω)
C: 1~5mA DC (input resistance:1kΩ)
D: 0~20mA DC (input resistance:250Ω)
E: 0~16mA DC (input resistance:250Ω)
F: 0~10mA DC (input resistance:500Ω)
G: 0~1mA DC (input resistance:1kΩ)
H: 10~50mA DC (input resistance:100Ω)
Z: (custom) current signal (50mA max)

3: 0~1V DC
4: 0~10V DC
5: 0~5V DC
6: 1~5V DC
7: −10~+10V DC
0: (custom) AC voltage signal (±300V max)

OUTPUT SIGNAL

1: Relay contact (2 transfer contacts)

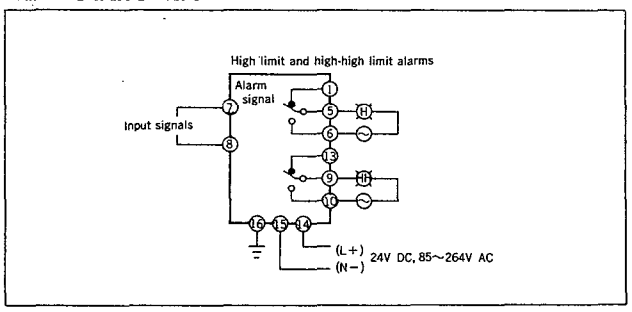
POWER SUPPLY

1: 24V DC±10% 2: 85~264V AC

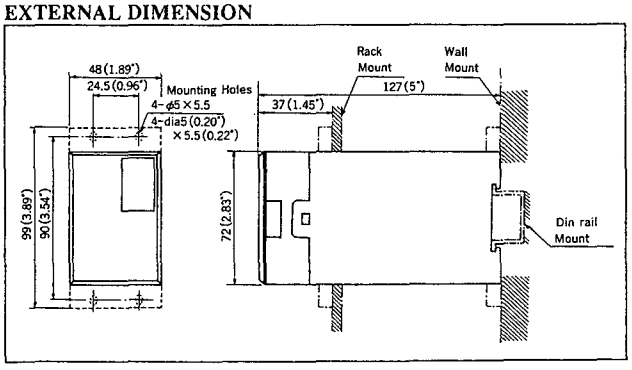
High Voltage Withstand Specifications

The JUXTA W Series is also available in 2000V AC voltage withstand specifications. Contact your dealer for details.

WIRING DIAGRAM



EXTERNAL DIMENSION



Subject to change without notice for grade up quality and performance