

Current Window Comparator

Description

The WA5 is a precise UNDER / OVER current window monitoring relay. The unit can be ordered in many AC / DC current ranges, making it ideal for many current monitoring applications. The over and under set points can be adjusted with separate potentiometers. The unit also incorporates a latch facility to prevent undetected failures.

FEATURES

- Monitoring relay for current control
- Measures separate current input
- Rear DIP switch selection of relay On in or outside limits
- Rear DIP switch selection for 10 sec start-up delay
- Upper and lower limits separately adjustable
- LED indication for over / under frequency
- Latch facility incorporated
- Output 10A SPDT relay



Input Specifications

Input	Pin 5 & 7
Measuring Ranges (5A)	
Upper limit	1 - 5 A
Lower limit	1 - 5 A
Internal Resistance	0.1Ω
Maximum Overload	10 A (30 sec)
Current	
Measuring Ranges (1A)	
Upper limit	0.2 - 1A
Lower limit	0.2 - 1A
Internal Resistance	5.6 Ω
Maximum Overload	5 A (30 sec)
Current	
Hysteresis	5%

Supply Specifications

Power Supply AC Type	110, 230, 400V
(Galvanic)	525V ± 10%
	50 / 60 Hz ± 5Hz
Isolation	4kV
Consumption	± 3VA
	± 6VA 525 V
Power Supply DC Types	12,24,48 V ± 10%
(Non-galvanic)	
Isolation	None
Consumption	± 100 mA

Output Specifications

Output Specifications	SPDT
Rated Isolation	6000 VAC
Voltage	(contact / electric) 1000 VAC (contact / contact)
Nominal Rate in AC1	1500 VA (Ag-Ni)
Rated Current	10A
Rated Voltage	250V
Mechanical Life	10x10 ⁶ cycles
Electrical Life	110x10 ³ cycles (at max load)
Operation Frequency	≤ 1800 cycles/h

General Specifications

Power ON Delay	≤ 300 ms
Power OFF Delay	≤ 200 ms
Indication for	
Power Supply ON	LED yellow
Output ON	LED yellow
Environment	
Degree Of Protection	IP 20
Operating Temperature	-10 to + 50°C
Storage Temperature	-50 to + 85°C
Weight	200g

