

Single-phase Overvoltage/Undervoltage Relay

K8AK-VW

Ideal for Voltage Monitoring for Industrial Facilities and Equipment.

- Monitor for overvoltages and undervoltages simultaneously. Separate settings and outputs supported for overvoltages and undervoltages.
- Manual resetting and automatically resetting supported by one Relay.
- Pre-alarm Monitoring Mode.
- Two SPDT output relays, 5 A at 250 VAC (resistive load).
- Process control signal (0 to 10 V) and current splitter input supported.
- Output status can be monitored using LED indicator.
- Input frequency of 40 to 500 Hz supported.
- Inputs are isolated from the power supply.



Refer to *Safety Precautions* on page 9.
Refer to page 8 for commonly asked questions.



For the most recent information on models that have been certified for safety standards, refer to your OMRON website.

Ordering Information

List of Models

Setting range	Power supply voltage	Model
1 to 10 V AC/DC	24 VAC/DC	K8AK-VW2 24 VAC/DC
3 to 30 V AC/DC	100 to 240 VAC	K8AK-VW2 100-240 VAC
15 to 150 V AC/DC		
20 to 200 V AC/DC	24 VAC/DC	K8AK-VW3 24 VAC/DC
30 to 300 V AC/DC	100 to 240 VAC	K8AK-VW3 100-240 VAC
60 to 600 V AC/DC		

Ratings and Specifications

Input Range

Model	Range*	Connection terminal	Setting range	Input impedance	Overload capacity
K8AK-VW2	0 to 10 V AC/DC	V1-COM	1 to 10 V AC/DC	Approx. 120 kΩ	Continuous input at 115% of maximum input. 10 s at 125% (up to 600 VAC)
	0 to 30 V AC/DC	V2-COM	3 to 30 V AC/DC	Approx. 320 kΩ	
	0 to 150 V AC/DC	V3-COM	15 to 150 V AC/DC	Approx. 1.6 MΩ	
K8AK-VW3	0 to 200 V AC/DC	V1-COM	20 to 200 V AC/DC	Approx. 1.2 MΩ	
	0 to 300 V AC/DC	V2-COM	30 to 300 V AC/DC	Approx. 1.7 MΩ	
	0 to 600 V AC/DC	V3-COM	60 to 600 V AC/DC	Approx. 3.1 MΩ	

* The range is selected using connected terminals.