

Single-phase Voltage Relay K8DT-VS

Detect abnormal voltages applies to equipment to protect against equipment failure.

Use in either overvoltage or undervoltage mode.

- Monitor AC or DC currents with one Relay.
- Settings for the operating value, hysteresis, and operating time.
- Width of 17.5 mm to reduce space required in panels.
- Push-In Plus Terminal that reduce wiring work.

The use of cage clamps enables wiring with bare stranded wires.

Double-insertion holes for crossover wiring (all terminals).

- UL listed for easy shipping to North America.
- Models added with transistor outputs for superior contact reliability.



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



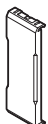
Refer to *Safety Precautions* on page 9.
Refer to page 8 for commonly asked questions.

Ordering Information

Single-phase Voltage Relay

Setting range	Power supply voltage	Output	Model
1 to 10 V AC/DC 3 to 30 V AC/DC 15 to 150 V AC/DC	24 VAC/DC	Relay: SPDT contact output	K8DT-VS2CD
		Transistor	K8DT-VS2TD
	100 to 240 VAC	Relay: SPDT contact output	K8DT-VS2CA
		Transistor	K8DT-VS2TA
20 to 200 V AC/DC 30 to 300 V AC/DC 60 to 600 V AC/DC	24 VAC/DC	Relay: SPDT contact output	K8DT-VS3CD
		Transistor	K8DT-VS3TD
	100 to 240 VAC	Relay: SPDT contact output	K8DT-VS3CA
		Transistor	K8DT-VS3TA

Optional Cover Front Cover

Appearance	Model
	Y92A-D1A

K8DT-VS

Ratings and Specifications

Input Range

Model	Range *	Connection terminal	Setting range	Input impedance	Overload capacity
K8DT-VS2□□	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	
K8DT-VS3□□	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.