

## Product Discontinuation Notices

March 1, 2010

Measuring/Motor Protective Relays

No. 2010064E

### Voltage Sensor: Model SDV DC12V series

#### Product Discontinuation

Voltage Sensor



**SDV DC12V series**

#### Recommended Replacement

**There is no replacement product**

**Discontinuation date : The end of March, 2011**

#### Product Discontinuation and recommended replacement

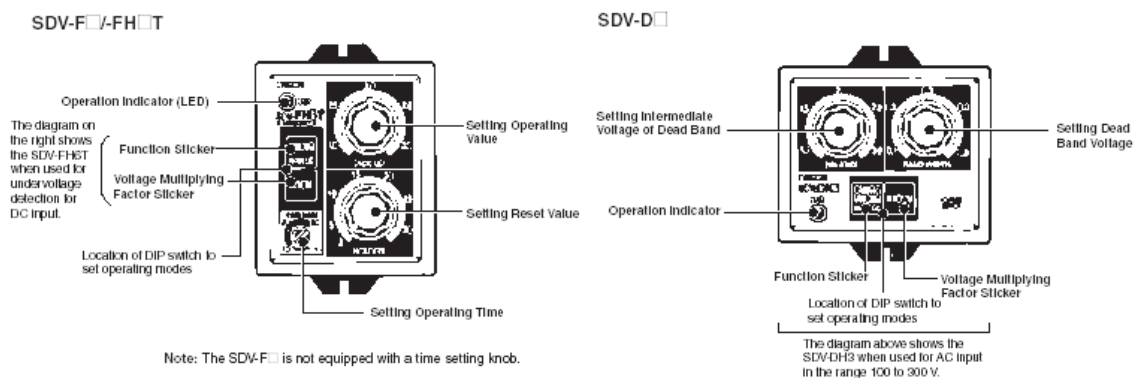
Product discontinuation	Recommended replacement
SDV-FL1 DC12V	N/A
SDV-FM1 DC12V	N/A
SDV-FH1 DC12V	N/A
SDV-DM1 DC12V	N/A
SDV-DH1 DC12V	N/A
SDV-FH1T DC12V	N/A

## Characteristics

Item	SDV-F□□	SDV-FH□T	SDV-D□□
Operating value	100% operation for voltage setting		
Setting error	Operating value: $\pm 2\%$ of operating value Reset value: $\pm 7\%$ of reset value		$\pm 2\%$ of intermediate voltage of dead band, $\pm 1\%$ of dead band voltage
Operating time	0.5 s max. (see note)		
Influence of temperature	0 to 40°C: $\pm 2\%$ max. of operating value (SDV-FL (operating value range: 4 to 12 mV) $\pm 4\%$ max. of operating value) -10 to 0°C, 40 to 55°C: $\pm 4\%$ max. of operating value (SDV-FL (operating value range: 4 to 12 mV) $\pm 8\%$ max. of operating value)		0 to 40°C: $\pm 2\%$ max. of dead band voltage -10 to 0°C, 40 to 55°C: $\pm 4\%$ max. of dead band voltage
Influence of control power	$\pm 1\%$ max. of operating value DC operating voltage range: 80% to 130% AC operating voltage range: 85% to 110%		$\pm 1\%$ max. of dead band voltage DC operating voltage range: 80% to 130% AC operating voltage range: 85% to 110%
Influence of frequency (Input frequency changed from 10 to 500 Hz for AC input)	$\pm 1\%$ max. of operating value		$\pm 1\%$ max. of dead band voltage
Influence of waveform (For commercial frequency, single-phase, full-wave AC input)	$\pm 3\%$ max. of operating value		$\pm 3\%$ max. of dead band voltage
Insulation resistance	10 M $\Omega$ min. (at 500 VDC) between the entire electric circuitry and external case, and between the input terminal and power terminal		
Dielectric strength	2,000 VAC for 1 min between the entire electric circuitry and external case, and between the input terminal and power terminal		
Impulse withstand voltage	$\pm 1.2 \times 50 \mu\text{s}$ , 4,500 V between the entire electric circuitry and external case $\pm 1.2 \times 50 \mu\text{s}$ , 3,000 V between power terminals		
Vibration resistance	Destruction: 10 to 25 Hz, 2-mm double amplitude (2G max.) for 2 hrs each in 3 directions Malfunction: 16.7 Hz, 1-mm double amplitude for 10 min each in 3 directions		
Shock resistance	Destruction: 294 m/s <sup>2</sup> (30G) Malfunction: 98 m/s <sup>2</sup> (10G)		
Weight	Approx. 290 g	Approx. 350 g	Approx. 310 g

Note: Overvoltage: Operation when voltage is changed from 80% to 120% of the operating value.  
Undervoltage: Operation when voltage is changed from 120% to 80% of the operating value.

## Dimensions



Please be forewarned that the price and specifications are subject to change without notice.