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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

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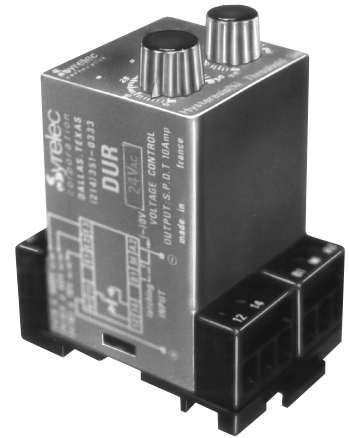
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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



# UR SERIES VOLTAGE CONTROL RELAY

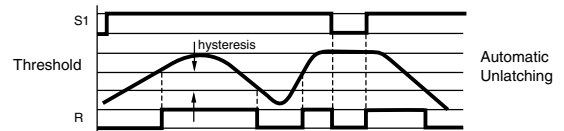
UL listed CSA recognized



- AC or DC Voltage Control
- Manual or Automatic Operation
- Adjustable Threshold
- 5 to 50% Hysteresis Range
- LED Relay Status Indicator

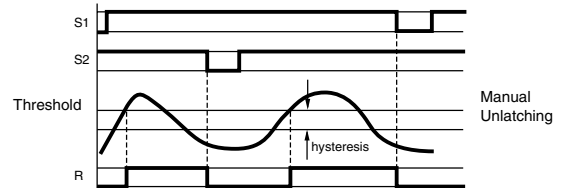
### 1. AC/DC voltage control without latching:

The output relay is energized when the voltage (AC peak voltage) exceeds the selected threshold. It de-energizes when the voltage falls below the hysteresis setting (5 to 50%) or when supply breaks. The hysteresis is controlled by a potentiometer and its selection does not change the chosen threshold.



### 2. AC/DC voltage control with latching:

The output relay is energized when the voltage reaches the selected threshold and stays latched in this position. The contact between terminal B1 and M (or 8 or 9) should be opened or the input power of the device interrupted to reset.



### SPECIFICATIONS:

Input	24 VDC, 24, 48, 110, 220 VAC		
	±15%, 50/60 Hz		
Power consumption	24 VAC: 1 VA		
	48 VAC: 1.2 VA		
	110 VAC: 3.5 VA		
	220 VAC: 7 VA		
<b>Control Range</b>	<b>Input Resistance</b>	<b>Acceptance load (input)</b>	
<b>AC or DC</b>		<b>Permanent (max)</b>	<b>Less than 10ms peak max.</b>
0.1 to 10 V	10 kΩ	50 V	100 V
0.4 to 40 V	40 kΩ	100 V	300 V
4 to 400 V	400 kΩ	440 V	750 V
<b>Hysteresis selection</b>	5 to 50% of set point		
<b>Repeat accuracy</b>	±2% at a constant ambient		
<b>Output Relay</b>	SPDT Relay		
<b>Contact material</b>	AgCdO		
<b>Maximum loading</b>	10 A AC resistive 8 A DC inductive		
<b>Maximum switching voltage</b>	250 VAC		250 VDC
<b>Relay maximum power rating</b>	2200 VA		
<b>Transient protection</b>	2500 volts		30 W
<b>Mechanical life of relay</b>	30 x 10 <sup>6</sup> operations		
<b>Electrical life of relay</b>	2 x 10 <sup>5</sup> at 2400 VA resistive load		
<b>Repetition accuracy</b>	±0.5% at a constant ambient		
<b>Response time</b>	100 ms on make		
	200 ms on break		
<b>Operating temperature</b>	-4°F to +140°F		-20°C to +60°C
<b>Weight</b>	7 oz. (200g)		

**Option:** 24 VDC power – the voltage and the measured current must be from separate sources.

### ORDERING INFORMATION:

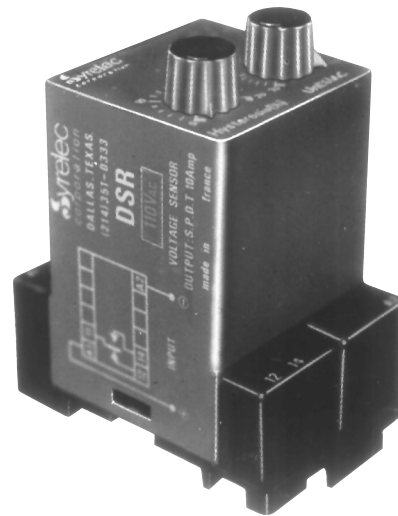


Products and specifications subject to change without notice.

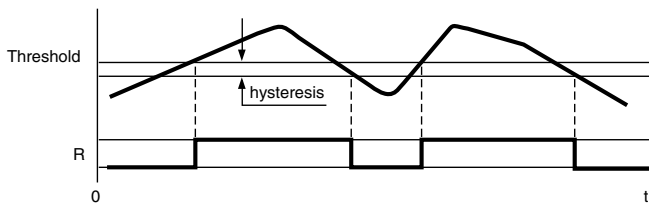
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# SR SERIES UNDER VOLTAGE RELAY

UL listed CSA recognized



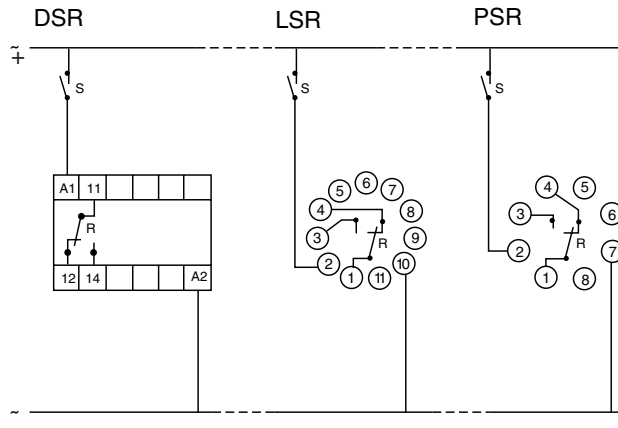
- **Multiple AC/DC Voltages**
- **5 to 20% Hysteresis Adjustment**
- **Automatic Operation**
- **Adjustable Threshold**



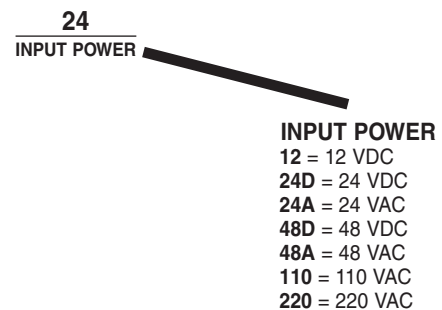
The voltage threshold SR Relay controls a voltage supply which is its own supply. The output relay is energized when the supply (effective for AC) exceeds the selected threshold. It de-energizes when the controlled supply falls below (5 to 20% Hysteresis) of the supply voltage or when the input power breaks. Hysteresis is controlled by a potentiometer and its selection does not change the chosen threshold. Pulses or drops of 100ms or less are ignored.

**SPECIFICATIONS:**

<b>Input</b> .....	.12 VDC, 24 VAC, 24 VDC, 48 VAC
	48 VDC, 110 VAC, 220 VAC, 50/60 Hz
	-20% to +30% DC,
	-30% to +15% AC
<b>Maximum power consumption</b> ..	.24 VAC: 1.5 VA      24 VDC: .6 W
	48 VAC: 2 VA        24 VDC: .8 W
	110 VAC: 5 VA       48 VDC: 1.8 W
	220 VAC: 11 VA
<b>Residual ripple</b> .....	<Hysteresis value
<b>Output relay</b> .....	.SPDT Relay
<b>Contact material</b> .....	AgCdO
<b>Maximum loading</b> .....	.10 A AC resistive    8 A DC inductive
<b>Maximum switching voltage</b> .....	.250 VAC                250 VDC
<b>Maximum power rating</b> .....	.2200 VA                80 W
<b>Mechanical life of relay</b> .....	.30 x 10 <sup>6</sup> operations
<b>Electrical life of relay</b> .....	.2 x 10 <sup>6</sup> at 2200 VA resistive load
<b>Operating temperature</b> .....	+14°F to 140°F      -10°C to +60°C
<b>Weight</b> .....	2.8 oz. (100g)



**ORDERING INFORMATION:**



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