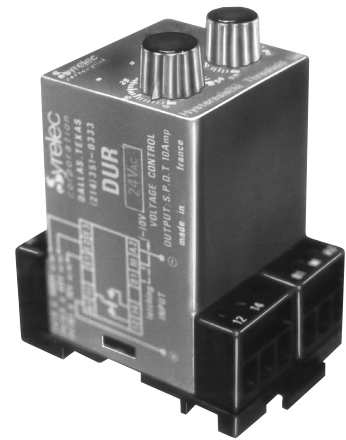


# UR SERIES

## 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**

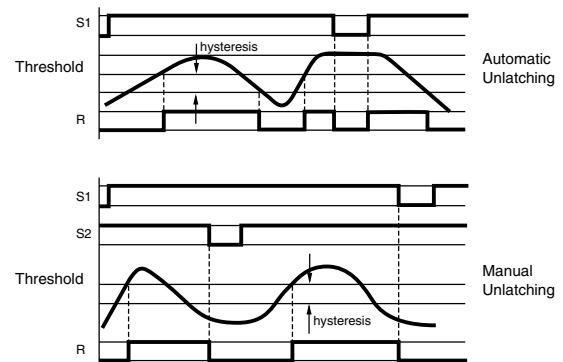


### 1. AC/DC voltage control without latching:

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
Control Range	AC or DC
0.1 to 10 V	10 kΩ
0.4 to 40 V	40 kΩ
4 to 400 V	400 kΩ
Hysteresis selection	5 to 50% of set point
Repeat accuracy	±2% at a constant ambient
Output Relay	SPDT Relay
Contact material	AgCdO
Maximum loading	10 A AC resistive 8 A DC inductive
Maximum switching voltage	250 VAC 250 VDC
Relay maximum power rating	2200 VA
Transient protection	2500 volts 30 W
Mechanical life of relay	30 x 10 <sup>6</sup> operations
Electrical life of relay	2 x 10 <sup>5</sup> at 2400 VA resistive load
Repetition accuracy	±0.5% at a constant ambient
Response time	100 ms on make 200 ms on break
Operating temperature	-4°F to +140°F -20°C to +60°C
Weight	7 oz. (200g)

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

### ORDERING INFORMATION:

**D**  
MOUNTING

**MOUNTING**  
D = DIN-rail mounting  
L = 11 pin plug-in

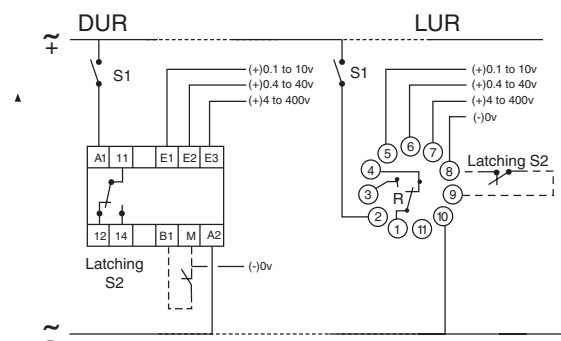
**UR**  
SERIES

**SERIES**  
UR  
UR SP50

**24A**  
INPUT POWER

**INPUT POWER**  
24A = 24VAC  
24D = 24VDC  
48A = 48VAC  
110A = 110VAC  
220A = 220VAC

### WIRING DIAGRAM:



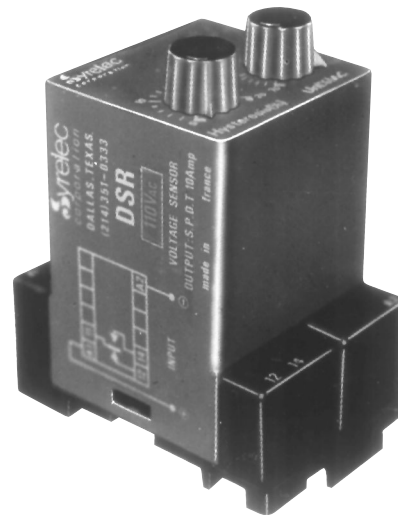
Products and specifications subject to change without notice.

Order/Technical Support – Tel: (800) 677-5311 / FAX: (800) 677-3865 / [www.crouzet-usa.com](http://www.crouzet-usa.com)

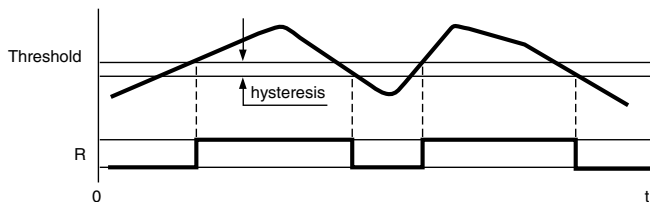
# SR SERIES

## UNDER VOLTAGE RELAY

UL listed CSA recognized



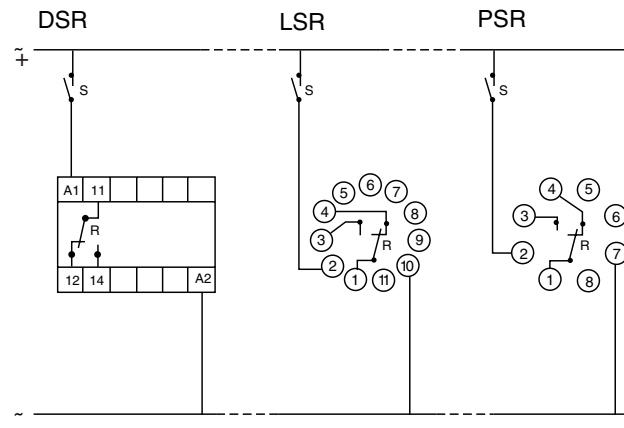
- **Multiple AC/DC Voltages**
- **5 to 20% Hysteresis Adjustment**
- **Automatic Operation**
- **Adjustable Threshold**



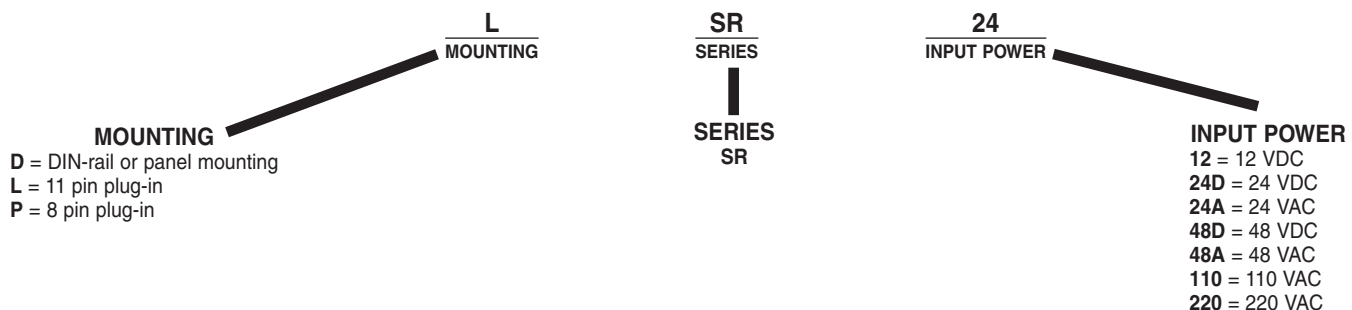
The voltage threshold SR Relay controls a voltage supply which is its own supply. The output relay is energized when the supply (effective for AC) exceeds the selected threshold. It de-energizes when the controlled supply falls below (5 to 20% Hysteresis) of the supply voltage or when the input power 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:



Products and specifications subject to change without notice.

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