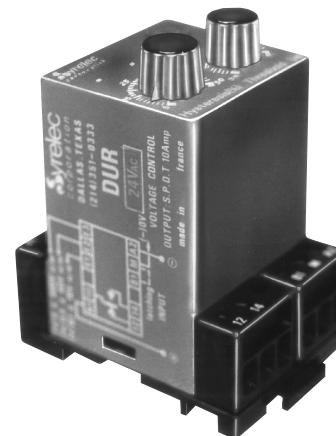


UR SERIES VOLTAGE CONTROL RELAY

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	Input Resistance	Acceptance load (input)
AC or DC		Permanent (max) Less than 10ms peak max.
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
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 ⁶ operations
Electrical life of relay	.....	2 x 10 ⁵ 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:

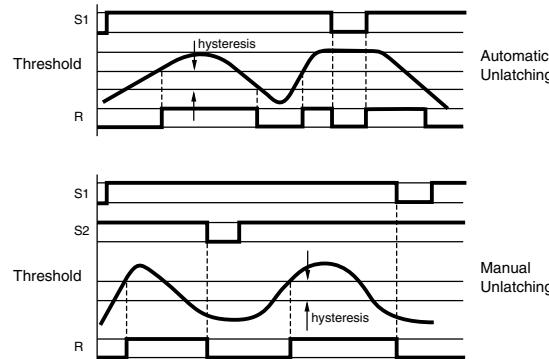
D MOUNTING

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

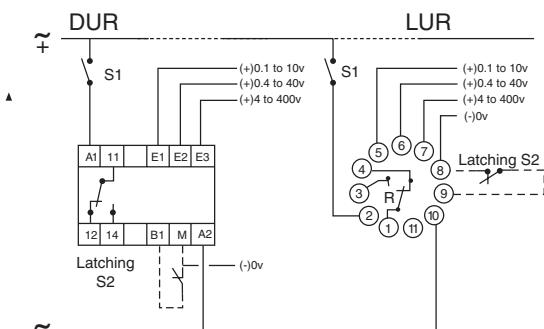
UR
SERIES
UR
UR SP50

24A
INPUT POWER

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



WIRING DIAGRAM:



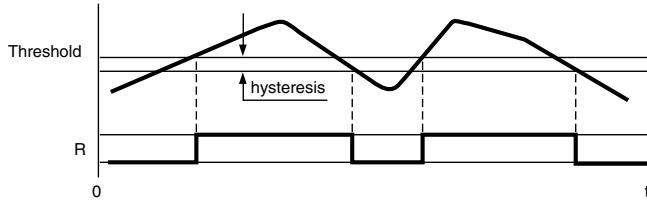
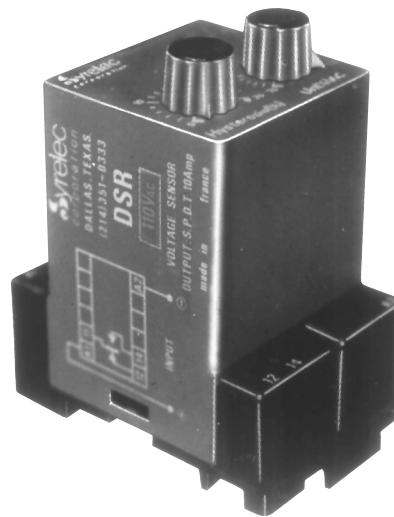
Products and specifications subject to change without notice.

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

SR SERIES UNDER VOLTAGE RELAY

UL listed CSA recognized

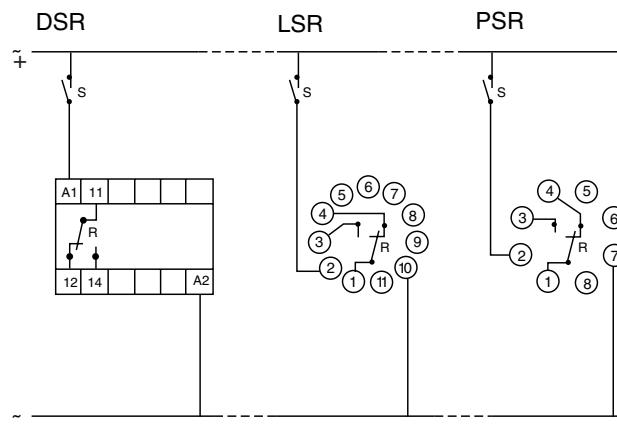
- Multiple AC/DC Voltages
- 5 to 20% Hysteresis Adjustment
- Automatic Operation
- Adjustable Threshold



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:

Input	.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
Maximum power consumption	.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
Residual ripple	<Hysteresis value
Output relay	.SPDT Relay
Contact material	.AgCdO
Maximum loading	.10 A AC resistive 8 A DC inductive
Maximum switching voltage	.250 VAC 250 VDC
Maximum power rating	.2200 VA 80 W
Mechanical life of relay	.30 x 10 ⁶ operations
Electrical life of relay	.2 x 10 ⁵ at 2200 VA resistive load
Operating temperature	.+14°F to 140°F -10°C to +60°C
Weight	.2.8 oz. (100g)



ORDERING INFORMATION:

MOUNTING	L MOUNTING	SR SERIES	24 INPUT POWER	INPUT POWER
D = DIN-rail or panel mounting				12 = 12 VDC
L = 11 pin plug-in				24D = 24 VDC
P = 8 pin plug-in				24A = 24 VAC
				48D = 48 VDC
				48A = 48 VAC
				110 = 110 VAC
				220 = 220 VAC

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