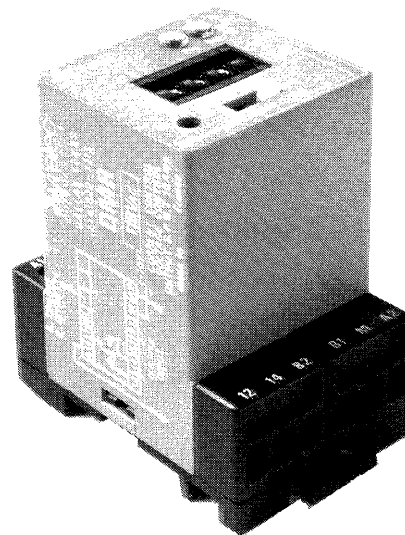


MR Series

Analog Control Relay

- Hysteresis Adjustable
- Manual or Automatic Operation
- Relay LED Indicator
- Switch Selectable
- Adjustable Threshold
- SPDT 10A Relay



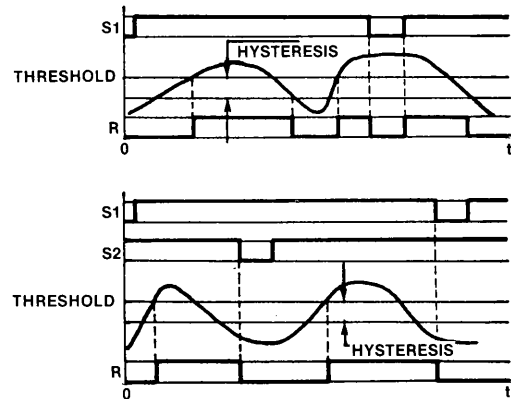
0.1 to 30ma Current Control 0.1 to 30V Voltage Control

Control Without Latching

The output relay is energized when the direct current or voltage overshoots the level selected on the top mounted thumb-wheel switches. It de-energizes when the current or voltage falls below the set point by 5 to 50% or when the input power is interrupted. The hysteresis can be adjusted by a top mounted potentiometer. Threshold values are unaffected by changes in the hysteresis.

Control With Latching

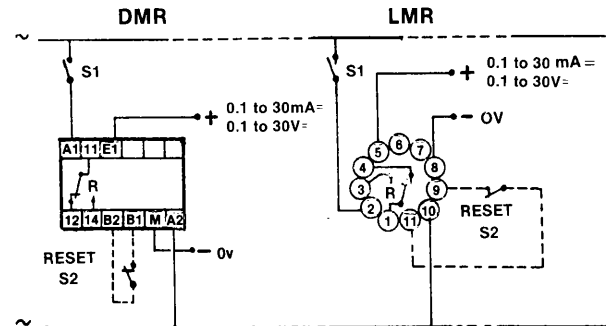
The output relay is energized when the current or voltage reaches the selected value and remains latched. The contacts between B1 and B2 or 9 and 11 should be opened or the input power interrupted to reset. It is recommended that the hysteresis be reduced by 5% in this mode of operation.



SPECIFICATIONS

Input Power	24, 48, 110, 220, 240VAC, ± 15%, 50/60 Hz	
Max. Power Consumption	3VA	
Output	SPDT Relay	
Contact Material	Ag Cdo	
Maximum Loading	10A AC resistive	1A DC inductive
Maximum Switching Voltage	250VAC	30VDC
Maximum Power Rating	2200VA	30W
Mechanical Life of Relay	20 × 10 ⁶ operations	
Electrical Life of Relay	2 × 10 ⁶ at 2200VA resistive load	
Operating Temp	+32°F to +122°F	0°C to +50°C
Weight	7 oz. (200 grams)	
	DC Current	DC Voltage
Range	00.1 to 30.9ma	00.1 to 30.9V
Precision Set	.1ma	.1V
Permanent Overload	40ma	60V
Temporary Overload (<1sec)	100ma	100V
Repeat Accuracy		
At Constant Ambient	± 1%	± 1%
Temp Variation to VDE 0435	± 3%	± 3%
Input Resistance	120Ω	40KΩ

WIRING DIAGRAM



Note: 1. The relay is always on with the thumb wheel switches set on 00.0.
 2. The maximum number selectable in the most significant position is 3; therefore, the following applies:

0 = 0	4 = 0	8 = 0
1 = 1	5 = 1	9 = 1
2 = 2	6 = 2	
3 = 3	7 = 3	

XX.X
MOST SIGNIFICANT POSITION

ORDERING INFORMATION:

