



Solving your relay requirements since 1922

Amperite Co.  
567 52nd Street  
P.O. Box 329  
West New York, NJ 07093  
(800) 752-2329  
www.Amperite.com

## VPR SERIES Voltage Protection Relays

Protects against low and high voltage  
DPDT 10 amperes isolated contacts  
Voltage accuracy 5%  
Customer specified voltage window



### DESCRIPTION:

The Amperite VPR Series voltage protection relays are designed to protect electrical equipment from low and/or high voltages. When line voltage falls within the customer specified range the relay is energized. Should line voltage fall out of the specified range the relay is de-energized.



### CONTACT INFORMATION:

Arrangement: 2 form C (DPDT) - Diagrams C & D.  
Contact Material: Silver - Cadmium Oxide  
Rating (Resistive): 10A @240V AC Resistive  
15A @30V DC Resistive  
15 @ 120V AC Resistive  
1/3 HP @120V AC  
1/2 HP @ 250V AC

Expected Life @ 25°C:

10 Million operations, Mechanical  
100,000 operations minimum at rated loads



### ENVIRONMENTAL INFORMATION:

Temperature Range: storage: -60°C to +105°C (-76°F to +221°F)  
Operating: -45°C to +70°C (-49°F to +158°F)



### MECHANICAL INFORMATION:

Termination: 8 pin Octal Style Plug or optional 11-pin spade terminals (Diagrams C & D). Octal style case is white, 11-pin spade style case is black.



### INITIAL DIELECTRIC STRENGTH

Between open contacts: 1000V RMS.  
Between adjacent contacts: 1500V RMS.  
Between contacts and coil: 1500V RMS.



### INPUT INFORMATION:

Voltage: AC units- 12V, 24V, 120V and 240V  
DC units- 12V, 24V, 48V and 110V  
(Additional voltages are available upon request).  
Power Requirement: AC units: 3 VA or less  
DC units: 3 watts or less  
Transient Protection: 1 JOULE MOV  
Polarity Protection: On DC units- Yes

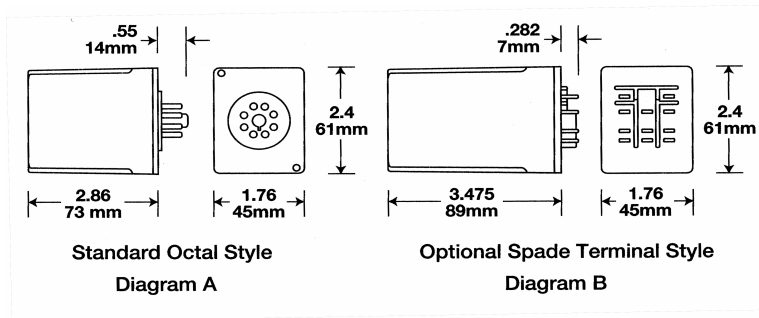


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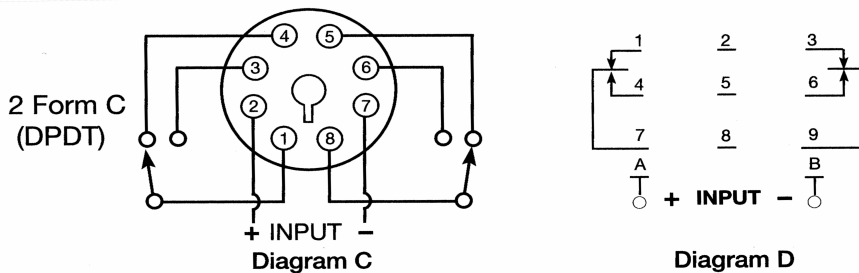
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**OUTLINE DIMENSIONS:**



**WIRING DIAGRAMS:**



**ORDERING INFORMATION:**

Definition of a part number for the Amperite VPR Series Voltage Protection Relay.  
 Example:

120 A 90 - 125 L VPR  
 ↑ ↑ ↑ ↑ ↑ ↑  
 A B C D E F

- A: Denotes nominal input voltage. Voltages Available: 12, 24, 120 and 240V AC; 12, 24, 48 & 110V DC. **(Custom Voltages are available).**
- B: Denotes type of input power current required for operation: A = AC - Alternating Current, D = DC - Direct Current.
- C & D: Denotes voltage acceptance window in which the relay will be energized.
- E: Enter "L" if optional 11-pin spade terminals are required (Diagrams B & D).
- F: Denotes Amperite VPR Series voltage protection relay.