

FEATURES

- **Extended Temperature Range**
- **AAR Binding Post Wire Connections**

DESCRIPTION

The Trilogy Products SiRM-4VI-1VO is ideal for use as a track circuit rectifier. The purpose is to drive DC track circuit relays in single rail track circuit applications using DC propulsion. A series resistor is used in the system circuit to ensure that the voltage presented to the relay coil is only enough to energize the relay. This is based on the relay pick up voltage and the length of the wire to the coil. The resistor is selected on site for each track circuit to insure system safety.

This assembly is also available in a power-on indication configuration which accepts 120VAC on the primary and produces 12VDC on the output.

ELECTRICAL SPECIFICATIONS

AC Input Voltage (4VI-1VO) _____ 4V_{AC}
 DC Output Voltage Maximum (4VI-1VO) _____ 1.2V_{DC}
 AC Input Voltage (120VI-12VO) _____ 120V_{AC}
 DC Output Voltage Maximum (120VI-12VO) _____ 12V_{DC}
 AC Input Frequency _____ 50-60Hz
 DC Output Current _____ 300mA
 Electrical Isolation _____ 3750V_{RMS}
 Min Operating Temperature _____ -30 °C
 Max Operating Temperature _____ +70 °C



MECHANICAL SPECIFICATIONS

Height _____ 8.5in
 Width _____ 3.5in
 Depth _____ 3in

ORDERING INFORMATION

Desired AC Input/DC Output Voltage	Catalog Number
4/1	SiRM-4VI-1VO
120/12	SiRM-120VI-12VO

TYPICAL APPLICATION CIRCUIT



