

SiRM-4VI-1V0 SiRM-120VI-12V0

TRACK CIRCUIT/POI RECTIFIER

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

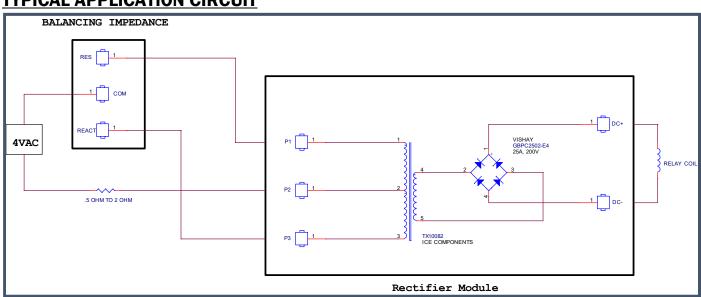


MECHANICAL SPECIFICATIONS

Height	8.5in
Width	3.5in
Depth	

ORDERING INFORMATION

Desired AC Input/DC Output Voltage	Catalog Number
4/1	SiRM-4VI-1VO
120/12	SiRM-120VI-12V0



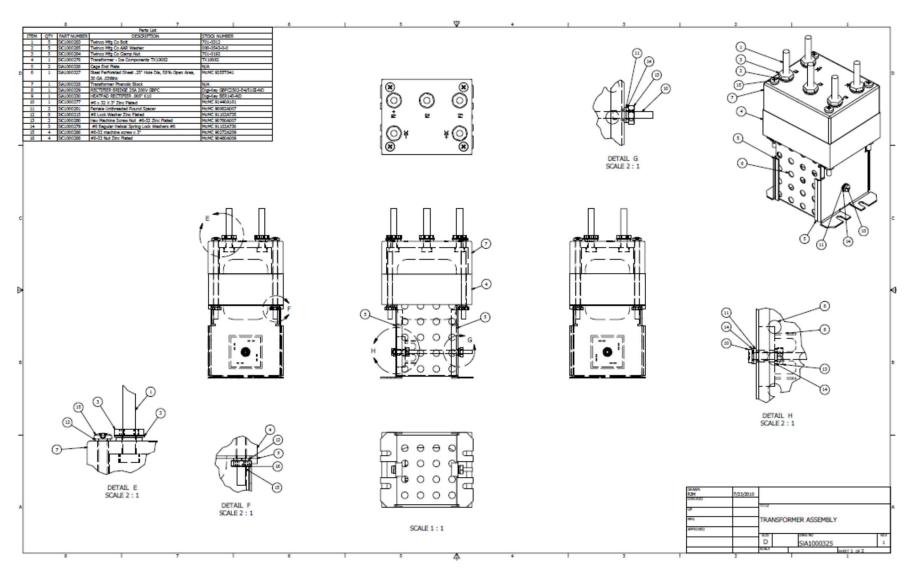
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TYPICAL APPLICATION CIRCUIT



SIRM-4VI-1VO

TRACK CIRCUIT RECTIFIER



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