KENICK

MSO - Broadband

SMPSI Series

Status Monitoring -
Power Supply - Interface

Technical Documentation

ACCESSORY SOLD SEPARATELY

When faced with the challenge of implementing status monitoring of the CATV network power supplies, the traditional way to accomplish this is to co-locate a status monitoring device in the power supply cabinet and inject the DOCSIS signals it generates into the CATV network via a drop cable and a RF coupler. In some situations limited space inside conduits or the long distance between power supplies and the RF network makes this traditional method of inserting the status monitoring signals difficult and costly. The Kenick SM-PS-I has been designed to offer a quicker more cost effective solution for these situations.

The Kenick SM-PS-I Status Monitoring Power Interface is designed to interface between the system power supply and the DOCSIS Network Monitoring Device. This allows a single hard cable connection from the power supply enclosure to the CATV network. The single cable then carries both the AC power and the DOCSIS RF monitoring signals, thus eliminating the need for a second cable and a separate power inserter (see diagram on back).

General Technical Specifications	
Passband	5-1218 MHz
Flatness	±0.5 dB
Through Loss	
@ 1218 MHz	<1.5 dB
@ 5 MHz	< 1.0 dB
Manual Control	
SXP PAD	0-20 dB
Return Loss	
Input	16dB
Output	16dB
AC Input Voltage	30-90 Vac
AC Bypass Current [Max]	25 A
HUM Modulation @ 15 A	-70 dBc
Surge Withstand	6kV (1)
EMI	-110 dBc
Weight	0.866 kg/ 1.91lb
Dimensions (LxWxH)	228.6x116.8x36.3 mm or 9.00x4.60x1.43 inch
Operating Temperature	-40 °C/55 °C

Specifications are subject to change without notice.

Applications

- Replace AC power to 5/8” connector with combined AC & RF Interface

Features

- Single network interconnect carrying system power and DOCSIS RF monitoring signal
- RF level control with SXP Pad
- RFI shielded cast aluminium package
- AC Test Points
- Emergency AC interconnect facility
- Built-in surge suppressor

⚠ DANGER!

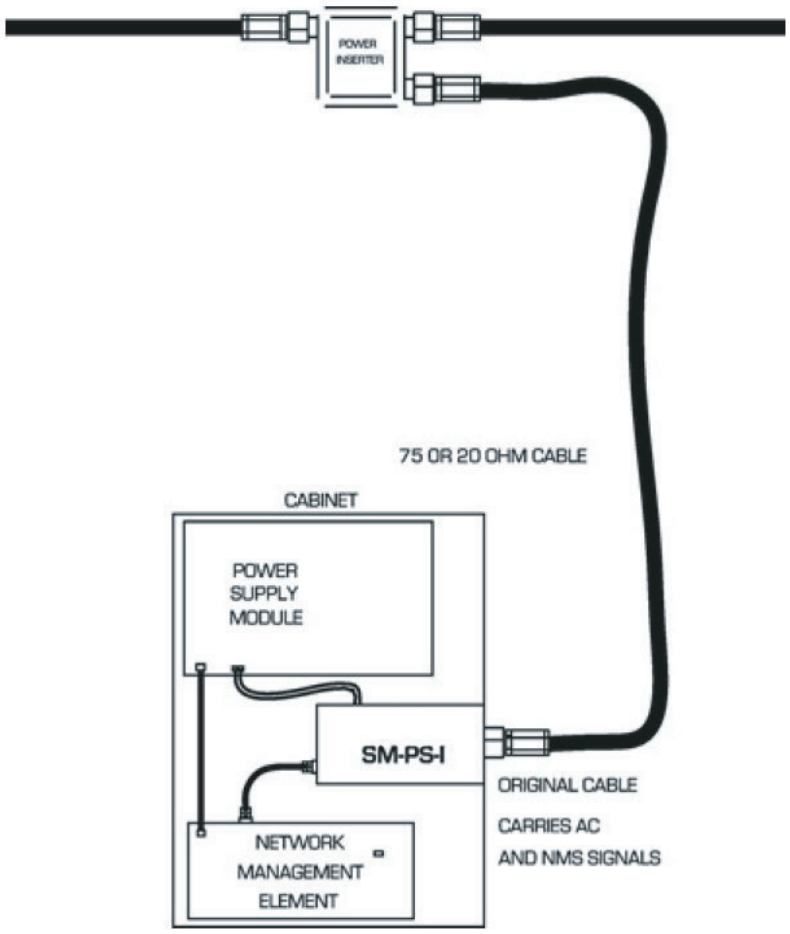
Only qualified personnel should install or service this system. Electrical safety precautions must be followed when installing or servicing this equipment. To prevent risk of electrical shock, turn off and lock out all power sources to the unit before making electrical connections or servicing.

The Kenick SM-PS-I is designed to be installed in most power supply cabinets and can be removed or replaced without removal of the main cable entry assembly. An auxiliary power connection and transfer switch enables system AC power connection from a mobile source during power outages or power supply maintenance. A LED indicates the presence of primary power, and a test point provides for fast measurement of AC voltage. The Dual Partition Enclosure provides a RF shielding of better than -110 RFI.

Ordering Information

MODEL	PART #
SMPSI / H	824-504-150-0CE

DRAWING 1



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