



TRS1

I:I Redundancy Protection Switch



HIGHLIGHTS

- ▶ *Low profile 1U rack-mount chassis*
- ▶ *BNC (IF, DVB® ASI) inputs and output*
- ▶ *Front panel LEDs*
- ▶ *Remote monitoring and control*
- ▶ *Manual switch*
- ▶ *EIA-232 remote control interface*
- ▶ *Ethernet remote control interface*

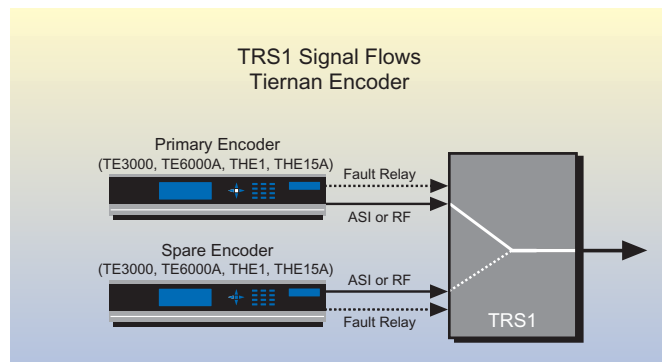
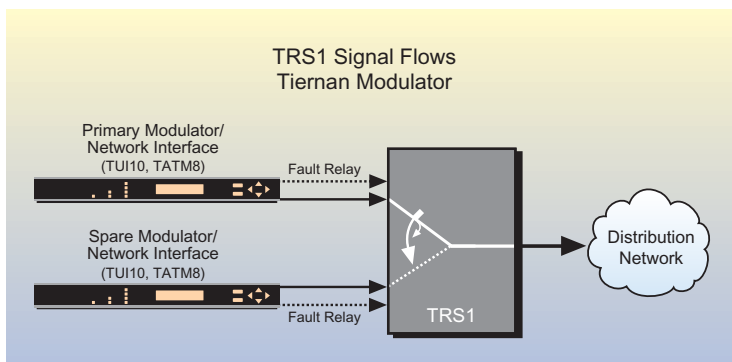
DESCRIPTION

Performance

The TRS1 is a two-input, one-output redundancy protection switch that monitors the status of the primary network interface device which might be a modulator, interface adapter, encryption unit, PSIP generator, etc. It automatically substitutes a spare upon detecting a failure of the primary chain. When used in a multi-channel configuration, the TRS1 is the redundancy switch that protects the final multiplexed transport stream.

The TRS1 normally uses the fault relay inputs to cause a switchover. Activation of the relay occurs without intervention from the microprocessor resident in the switch. A manual switchover for servicing and routine maintenance can be initiated from the front panel, the EIA-232 interface, or the Ethernet connection to the network management software system. The Ethernet and the EIA-232 interfaces allow for remote monitoring and control of the TRS1. The EIA-232 port is designed to allow for full remote modem support. Use of either control interface is optional, and TRS1 will continue to provide automatic switching in the event of failure of the on-board microprocessor.

In the event of loss of power to the TRS1, the modulator selected at the time of power loss will remain selected. The fault relay ports are compatible with the fault relay port on Tiernan equipment (RJ-11). Additionally, multiple vendor-specific fault signaling systems are supported for fault detection. The front panel includes status LEDs to indicate power and switchover status.



TRS1

TECHNICAL SPECIFICATIONS

INPUTS	DC-270 MHz on 2xBNC connectors
OUTPUTS	DC-270 MHz on BNC connector
INPUT SWITCHING	<100 ms
NETWORK INTERFACE	Manufacturer-specific on DB-44 HD connector
FAULT RELAYS	
REMOTE CONTROL	<ul style="list-style-type: none">• EIA-232-D on DB-9 connector, DCE, ASCII commands• IEEE 802.3 10baseT Ethernet on RJ-45 connector, ASCII commands
FRONT PANEL CONTROL	LEDs for power, fault and status, manual switch
PHYSICAL	<ul style="list-style-type: none">• 1U standard 19" rack mount – 4.4 cm high, 48.3 cm wide, 48.5 cm deep (1.75" x 19" x 19.1")• Weighs less than 3.2 kg (7 lbs)
POWER SUPPLY	<ul style="list-style-type: none">• Autoranging 90 to 240 VAC• 50/60 Hz ($\pm 5\%$) universal power supply• Power consumption, 44 Watts typical
OPERATING CONDITIONS	Ambient temperature: 0° to +50°C

U.S.A./Canada: 3138 East Elwood Street, Phoenix, Arizona 85034 USA Tel: +(1) 602.437.9620 Fax: +(1) 602.437.4811
6340 Sequence Drive, San Diego, California 92121 USA Tel: +(1) 858.458.1800 Fax: +(1) 858.657.5400

Europe/Middle East/Africa: 8, Oriol Court, Omega Park Wilson Road, Alton, GU34 2YT, United Kingdom Tel: +(44) 1420.544.200 Fax: +(44) 1420.88.999

Latin America: 7700 Congress Ave., #2105, Boca Raton, Florida 33487 USA Tel: +(1) 561.988.1210 Fax: +(1) 561.988.8290

China: Room 405, Building B, Heqiao Mansion, No. 8 Guanghua Road, Chaoyang District, Beijing 100026 China Tel: +(86) 10.658.31975 Fax: +(86) 10.658.31974

Asia-Pacific: 15 McCallum Street, #12-04, NatWest Centre, Singapore 069045 Tel: +(65) 6225.4016 Fax: +(65) 6325.1950

Jl M.T. Haryono Kav 25, Jakarta, Indonesia 12820 Tel: +(62) 21.521.3733 Fax: +(62) 21.252.0142
www.radn.com

Prices, specifications, and product availability subject to change without notice. All trademarks acknowledged.

© Copyright 2002 Radyne ComStream Corporation. All rights reserved.

ML-0168A 10/02

