PROFEN

Protector PRS-101/102
Universal Redundancy Switch for Multi-Brand Systems

Profen's Protector series PRS-101/102 is the universal protection switch for any device with an alarm interface in 1:1 or 1:2 configurations, including Up/Down Converter, Modems, Modulator, Demodulators, Encoder, IRD, BUC, HPA, SSPA, LNA/LNB.

Its operation is based on sensing alarms on online devices and switching the traffic to a stand-by device.

The swicth is a 19" and 1RU unit equipped with an OLED display, keypad, and status and alarms LED on the front panel and I/O and communication ports on the back panel. It has a dual power supply to guarantee a seamless operation.

The PRS-101/102 can be managed locally on the front panel or remotely via RS232, RS485, or its user-friendly web interface (GUI) over an Ethernet port.

Key Features

• Web based remote control
• Manual or Automatic operation
• Alarms and event logs
• Remote control over SNMP
• Fast Response time
• Low insertion loss

Typical Applications

• Satellite Communication
• Satellite Broadcast
• TT&C Earth Station
• VSAT Hub Station
• Telemetry ground station

PRS-101/102 Universal Redundancy Switch Specification*

Technical Specifications		Environmental Specifications	
Operation	Manual or Automatic	Operating Temperature	0°C to +55°C
Insertion loss		Operating Temperature	-30°C to +70°C
Input/output impedance	SMA 50 Ω BNC 50 Ω or 75Ω	Humidity	95% non-condensing
Return Loss	Typically, 17-18 dB		
Switching Time	< 100 msec	**Physical Characteristics**	
Switch Type	Electro mechanic	Size	19', 1RU
		Weight	3 kg
		Primary Power	100 - 240 VAC 50/60 Hz
		Power Consumption	Typically, 15 W

* Variants

PRS-101/102BCS: 1:2 Basic redundancy switch with SMA up to 3 GHz

PRS-101/102HCS: 1:2 Basic redundancy switch with SMA up to 18 GHz

PRS-101/102UCS: 1:2 Basic redundancy switch with SMA up to 40 GHz

PRS-101/102BNC: 1:2 Basic redundancy switch with BNC up to 1 GHz

PRS-101/102HPA: 1:2 HPA/BUC/SSPA redundancy switch with external waveguide switching plate.

PRS-101/102LNX: 1:2 LNA/LNB redundancy switch with external waveguide switching plate.

PRS-101/102LNC: 1:2 LNA/LNB redundancy switch with external waveguide switching plate and current sensor.

How to Buy?

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