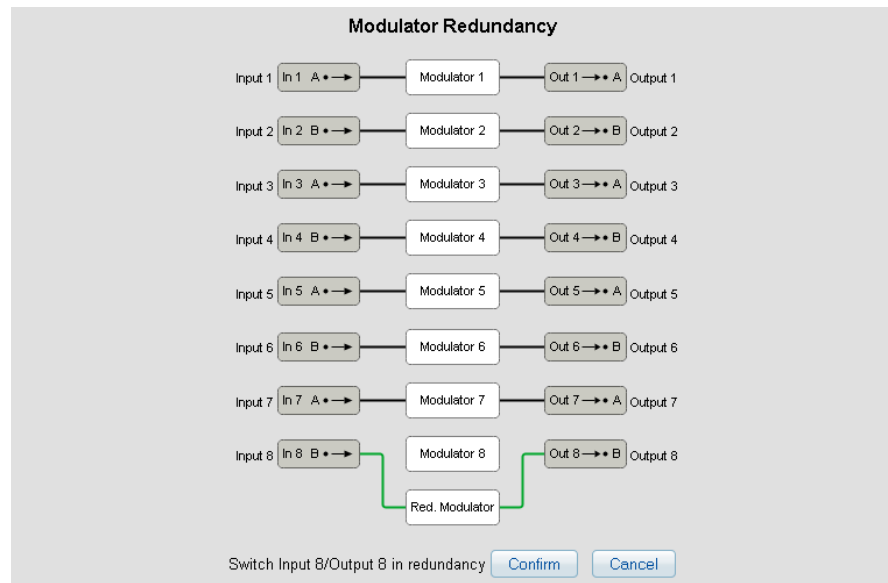


Modulator Redundancy Switches



The final product may vary from the above image depending on the options selected.



Products:

- | | |
|--------------------|--|
| DEV 1992/50 | Modulator Redundancy Switch n+1;
Input ASI 75 Ohm, BNC (f) -
Output 950...2150 MHz 50 Ohm, SMA (f) |
| DEV 1992/75 | Modulator Redundancy Switch n+1;
Input ASI 75 Ohm, BNC (f) -
Output 950...2150 MHz 75 Ohm, F (f) |
| Option 66 | Output 47...862 MHz; 75 Ohm, BNC (f) |

Features:

- Stand-Alone Modulator Redundancy Switch
- Modulator Vendor Independent
- Output Impedance 50 Ohm, SMA (f) or 75 Ohm, F (f)
- TRAC (Trap Receiver Action Controller)
- SNMP Support
- DEV Web Interface
- Data Backup Feature
- Power Supply Redundancy

Technical Data

DEV 1992/zz Modulator Redundancy Switches

▀ "zz" specifies the impedance and can be "50" or "75".

Capacity

Main Channels 4, max. 8

RF Specifications

Frequency Range	Input: ASI Output: 950...2150 MHz
Impedance (zz), Connectors	Input: 75 Ohm, BNC (f) Output: 50 Ohm, SMA (f) or 75 Ohm, F (f)
Return Loss Input	>20 dB
Insertion Loss Input	<1.5 dB (Main Paths) Constant Output Level >600 mVpp (Redundancy Path)
Return Loss Output	>14 dB (Main Paths) >11 dB (Redundancy Path)
Insertion Loss Output	50 Ohm: <2.0 dB (Main Paths) <3.5 dB (Redundancy Path) 75 Ohm: <2.0 dB (Main Paths) <6.0 dB (Redundancy Path)
Isolation between Paths	>55 dB
Relay Type	Latching
Switching Power	<30 dBm (Modulator Output Power)
Switching Cycles	>10E6

Remote Communication

Interface (Connector)	Ethernet (RJ-45)
Remote Control & Surveillance	• via Web Interface • via SNMP

Redundant Power Supply

Supply Voltage	100...240 V AC supplied by two different Lines
Power Consumption	<100 VA

General Specifications

Size	19" (483 mm) Width, 3 RU (133 mm) Height, 495 mm Depth
Weight	~8 kg (<i>Note 1</i>)
Environmental Conditions	ETS 300019 Part 1-3 Class 3.1

Note 1: Configuration dependent

Option 66 Output 47...862 MHz; 75 Ohm, BNC (f)

▀ The DEV 1992/75 can be equipped with a CATV-Band Modulator Output instead of the L-Band Modulator Output.

RF Specifications

Frequency Range	Output: 47...862 MHz
Impedance, Connectors	Output: 75 Ohm, BNC (f)
Return Loss Output	>14 dB (Main Paths) >12 dB (Redundancy Path)
Insertion Loss Output	<2.5 dB (Main Paths) <4.0 dB (Redundancy Path)

Order Information

Products

DEV 1992/50	Modulator Redundancy Switch n+1; Input ASI 75 Ohm, BNC (f) - Output 950...2150 MHz 50 Ohm, SMA (f) (Chassis is equipped for 4+1 Operation and is Field Upgradeable up to 8+1)
DEV 1992/75	Modulator Redundancy Switch n+1; Input ASI; 75 Ohm, BNC (f) - Output 950...2150 MHz; 75 Ohm, F (f) (Chassis is equipped for 4+1 Operation and is Field Upgradeable up to 8+1)

Options

Option 66	Output 47...862 MHz; 75 Ohm, BNC (f) (DEV 1992/75, only)
Option 78	Additional Web License 3-4 RU

Upgrade Kits

DEV 13-0245	Upgrade Kit for 2 additional Paths; Input ASI; 75 Ohm, BNC (f) – Output 950...2150 MHz; 50 Ohm, SMA (f)
DEV 13-0246	Upgrade Kit for 2 additional Paths; Input ASI; 75 Ohm, BNC (f) – Output 950...2150 MHz; 75 Ohm, F (f)
DEV 13-0247	Upgrade Kit for 2 additional Paths; Input ASI; 75 Ohm, BNC (f) – Output 47...862 MHz; 75 Ohm, BNC (f)

Contact

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Technical specifications are subject to change