

# RFS Series

## RF Sensing Redundancy Switches

### General Description:

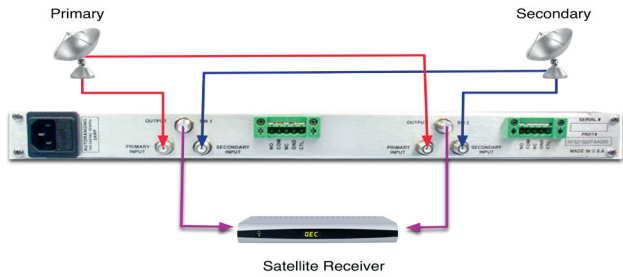
The **RFS** series redundancy switches with RF sensing detect the presence of primary RF signal feed and provide the ability to switch to a backup (secondary) signal upon the loss of the primary. These highly reliable RF switches are ideal for redundancy applications and scheduled maintenance projects. They are perfect for unmanned sites and can help to eliminate the need for emergency restoration service. In addition, an optional RS-232 DB-9 port has been included through which the RF sensing switch can be remotely controlled. Standard alarm and remote are available via contact closure.

### Features & Benefits:

- Redundancy switches provide automatic backup for signal continuity, thereby maintaining your revenue stream
- Facilitates scheduled maintenance activity with no downtime
- Rear panel mounted barrier strip provides the interface for a contact closure summary alarm and remote override
- RF threshold is adjustable via front panel
- Ideal for redundancy switching applications for failed LNBS, upconverters, downconverters and unmanned facilities
- Ultra-reliable 1:1 redundancy for backup of fiber links
- The **RFS 2150/2** with optional serial control provides the ability to remotely control the RF sensing switches via RS232



RFS



Specifications:*	RFS 2150
Operating Frequency:	950-2150 MHz
Impedance:	75 $\Omega$ or 50 $\Omega$
Detected Frequency:	950-2150 MHz
Level:	-60 dBm to -20 dBm, Adjustable
Insertion Loss:	2.5 dB $\pm$ 1 dB
Frequency Response:	$\pm$ 1.0 dB
Isolation:	40 dB
Return Loss:	12 dB
Inputs/Outputs:	Dual 2/1
Manual Override:	Front Panel Mounted Slide Switch
Threshold Adjust:	Front Panel Mounted Up/Down Push Buttons
Alarm:	Form 'C' Contact Closure
RF Connectors:	F-Type, BNC 75 $\Omega$ or 50 $\Omega$
Power Requirements:	100-240 VAC Autoranging, 60/50 Hz
Power Consumption:	21 W
Mechanical:	1 RU: 1.75" H x 19" W x 14" D
Options:	Single or Dual Configuration, LNB Power (18-24 VDC) and Serial Control

\*Specifications may vary with connector type. See individual specification sheet for specific performance data.