



The RFS 2150 L-band Redundancy Switch detects 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 RS-232 DB-9 port has been included through which the RF sensing Switch can be remotely controlled.

## FEATURES

- L-band redundancy switches provide automatic backup for signal continuity thereby maintaining your revenue stream
- Facilitates scheduled maintenance activity with no downtime
- Eliminates the need for emergency service, permitting maintenance on a managed schedule
- Rear panel mounted barrier strip provides the interface for a contact closure summary alarm and remote override
- The threshold is adjustable via front panel for adjustment sensitivity and flexibility
- Ideal for redundancy switching applications for failed LNB's, up converters, down converters, antenna rain fade and unmanned facilities
- Ultra-reliable 1:1 redundancy for backup of fiber links
- The RFS 2150/2 with serial control provides the ability to remotely control the RF sensing switches via RS232

## Specifications

### **RFS 2150 MHz L-Band Sensing Redundancy Switch**

Overall RF Range: 950-2150 MHz  
Inputs/Outputs: 2 Inputs (Primary, Secondary) /  
1 Output (per switch)  
Impedance: 75  $\Omega$   
Detected Level: -60 dBm to -20 dBm, adjustable  
Insertion Loss: 2.5 dB + 1 dB  
Frequency Response: +1.0 dB  
Return Loss: 12 dB  
Isolation: 40 dB  
Manual Override: Front panel mounted slide switch  
Remote Override: Form 'C' contact closure  
Threshold Adjust: Front panel mounted up/down  
pushbuttons  
Power Requirements: 100-240 V~, 60/50 Hz  
Power Consumption: 21 W (excluding LNB power)  
RF Connectors: Type "F", 75  
Mechanical: 1 RU (1.75" H x 19" W x 14" D)  
Weight: 7.2 lbs. gross (boxed), 4.6 lbs. net

### **RFS 70 MHz IF Sensing Redundancy Switch**

Overall RF Range: 5-1000 MHz  
Impedance: 75 ohm  
Detected Pilot Frequency: 70 MHz + 1 MHz  
Level: -50 to -20 dBm  
Insertion Loss: 0.5 dB + 0.5 dB  
Return Loss: 12 dB (input & output)  
Isolation: 40 dB  
Manual Override: Contact closure to ground  
Threshold Adjust: Front panel potentiometer  
Alarm: Form 'C' contact closure  
Power Requirements: 100-240 VAC autoranging, 60/50 Hz  
Power Consumption: 5 W  
RF Connectors: Type "F", 75 ohm  
Mechanical: 1 RU (1.75" H x 19" W x 14.0" D)