

L-band Redundancy Switch



This ETL 2:1 **L-band redundancy switch** incorporates an RF detection system and automatic switching of one of two inputs to the output. The system monitors the Main and Standby signals. In Auto mode, it switches from Main to Standby feed in the event of the failure of the Main feed, if a Standby feed is present. The switch also monitors the Standby feed, and if this fails it will switch back to the Main feed if present.



Pictures of front and rear panels of L-band redundancy switch



In Manual mode it is switched from the front panel. Remote selection of manual and auto mode and remote switching from Main to Standby and vice versa is also possible. A contact-driven remote mode is also provided.

This particular unit has 50Ω BNC connectors but others are available.

ETL Model Number – 23116-B5



RESILIENCE

FLEXIBILITY

RF PERFORMANCE

Technical Specifications



• RF Parameters

Capacity	2 x 1
Frequency Range	850-2150 MHz
Gain	0dB \pm 1dB (nominal)
Flatness	\pm 1.25 dB (1dB typical)
Isolation (IP to OP) (IP to IP)	55 dB (65 dB typical) 60 dB (65 dB typical)
1dB Compression Point	0dBm (+5dBm typical)
Noise Figure	8dB
Input Return Loss	15dB typical (8.5 dB min)
Output Return Loss	15dB typical (8.5 dB min)
Automatic Switching Time	200 ms typical

• System Control

Local Control	Ethernet, RS232/485 & Local
Display	LED's (showing current route)

• Environmental

Operating temperature	0 to 45°C
Location	Indoor use only
Storage Temperature	-20°C to +75°C
Humidity	85% Non-condensing

• Physical

Connectors	BNC IN & OUT
Impedance	50 Ω
Dimensions	1U high x 350mm deep x19" wide
Weight	3kg
Colour	White 00-E-55 Semi-Gloss, Front Panel

• Power

AC Power	85-264Vac 50/60Hz
LNB Power	Not Available
PSU	Dual
PSU Redundancy	Yes

• Key Features

RF Detection on Main and Standby feeds

Auto switchover in case of signal failure

ETL Systems develop, design and manufacture specialist equipment for satellite ground stations. For a fuller description of the ETL product range, please visit our website. This range can be used as the basis to meet your specific demands.

For additional information or details, please contact us at:



ETL Systems Limited, Coldwell Radio Station, Madley, Hereford, England HR2 9NE
T +44 (0)1981 259020 F +44 (0)1981 259021 E info@etlsystems.com www.etlsystems.com

