

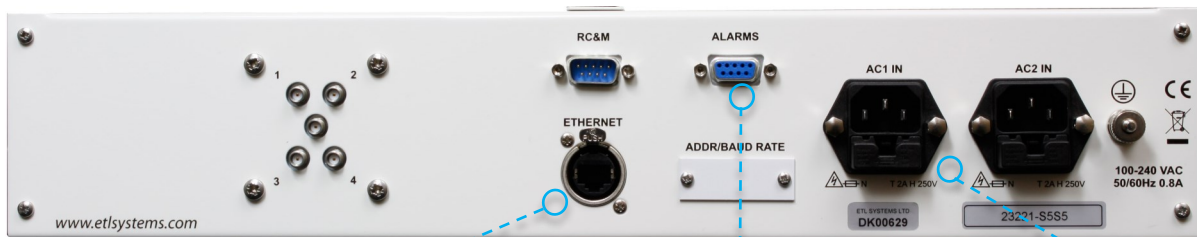
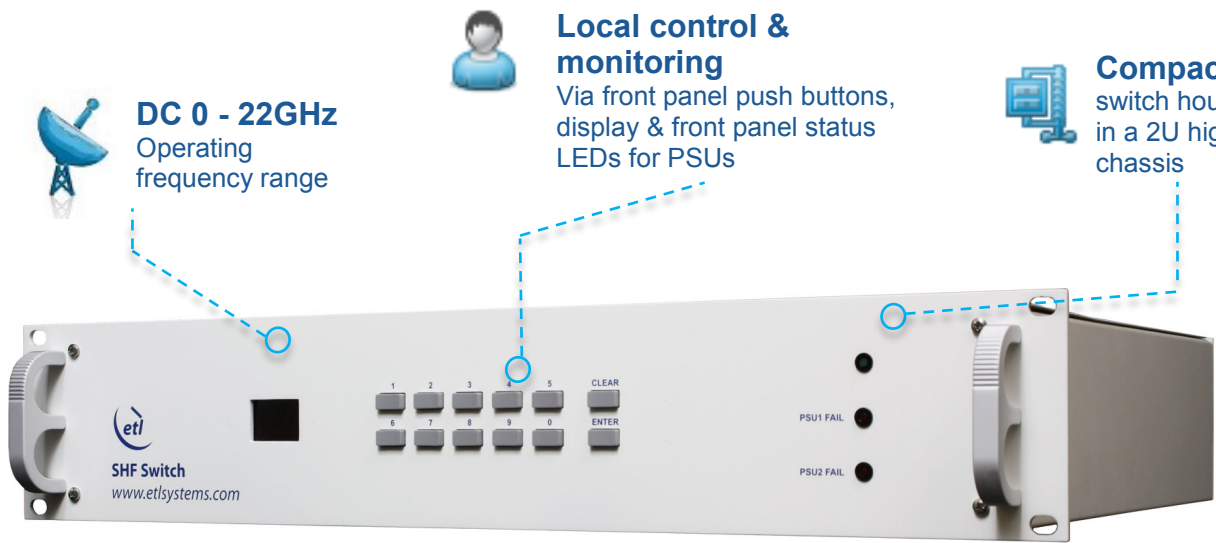


4:1 SHF Switch

with local & remote control (via RS232/422/485 & RJ45 ports)

Typical applications:

- Signal carrier monitoring of satellite feeds.
- RF switching for yachts, ships and other marine applications.
- Remote controlled unmanned satcom sites.
- Redundancy switching for main & standby IRD/modems.





Technical specifications and operating parameters

RF Parameters					
Capacity	4:1 Switch		Latching, Self-Terminating		
Input & Output Ports	50Ω SMA				
Frequency Range	0 to 22 GHz				
Frequency	0 to 8 GHz	8 to 16 GHz	16 to 22 GHz		
Insertion Loss	0.4 dB	0.6 dB	0.7 dB	Maximum across band	
Return Loss	Typ.	20 dB	17 dB	15 dB	At any RF port
	Min.	17 dB	14 dB	11 dB	
Isolation	70 dB	60 dB	50 dB	Minimum between any two multi-ports	
Flatness	< 1 dB peak to peak				
DC Pass	Between common port and any multi-port				

Environmental	
Operating temperature	0 to 45°C
Location	Indoor use only
Storage temperature	-20°C to +75°C
Humidity	20 to 95% non-condensing
Altitude	10,000 feet AMSL (above mean sea level)

Power		
Input RF Power	1W per input 3W total per switch	Limited by internal terminations
Group Delay	1 nsec peak to peak across full bandwidth	
PSU Power	85-264Vac 50/60Hz	Fused 2A
PSU Redundancy	Dual redundant and Alarmed	Diode OR. Not hot swap.
AC Consumption	15 W	Max consumption at steady state

System Control	
Remote Control & Monitoring	Via RS232 or RS485 serial port and RJ45 Ethernet port for PSU status.
Alarms	Dry contact alarm & Ethernet (RJ45) on rear panel.

Physical	
Dimensions	2U high x 350mm deep x 19" wide
Weight	7 Kg
Front Panel Colour	RAL9003-White (Semi-Matte)

Note 1: The specification is subject to regular reviews and will be updated from time to time as part of our continuing product development and improved spec accuracy.
 Note 2: Operation beyond the quoted limits stated above may cause instantaneous and permanent damage.

