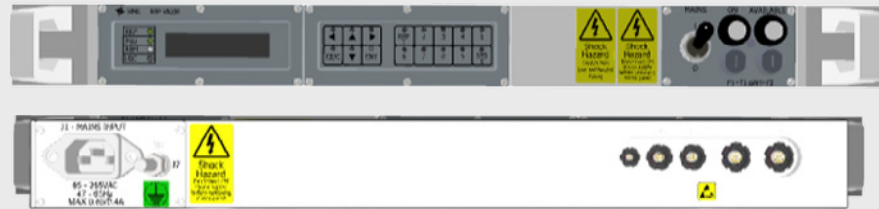


RED REM Processor (RRP)



FRONT & REAR VIEW



ISOMETRIC VIEW

Key Features

- Functions as both a RED REM Encoder at headquarters and Decoder on receive platforms
- Supports legacy traffic and the new REM modes
- Works with existing Modulator and Demodulator equipment
- Four independent channels
- Data Formatting: NATO STANAG 5030/4724
- Works with KIV-7M Cryptos or similar
- Local or Remote Control (RS422)
- Time of Day input: STANAG 4430 (XHQ Message, 1PPS and 1MHz)
- Extensive Built in Test Facilities
- TEMPEST: SDIP-27 Level B



Technical Specifications

Interfaces

Terminal	4 x RS422, Message Data Input in Encoder mode, Message Data Output in Decoder Mode
Crypto	4 x V.28 Channels, Encoded Data Output to Crypto in Encoder Mode, Encoded Data Input from Crypto in Decoder Mode
TOD Input	V.11 STANG4430 XHQ Message, V.11 1PPS, V.11 or Analogue 1MHz (13dBm +/- 2dBm, Sinewave, 50R, Harmonic Distortion < 40dB below fundamental)
External Remote Control	RS422
SW/FW Update	JTAG

Electromagnetic Compatibility

Radiated	CE, EN 60945, MIL-STD-461G CE101, CE102 and CS114
Conducted	CE, EN 60945, MIL-STD-461G RE101 and RE102
Susceptibility	CE, EN 60945, MIL-STD-461G RS101, RS103, CS101, CS109, CS118

Rack Mount Power

Voltage	98 - 253 VAC
Frequency	47 - 63 Hz
Power	< 30W in all modes of operation

Physical Properties

Size (HxWxD)	1U x 482mm x 414 mm
Weight	Rack Mount: < 6.0 kg
Cooling	Natural convection
Climactic	Operating Temperature: -15°C to +55°C Storage Temperature: -30°C to +70°C Relative Humidity: 95% (non-condensing)
Shock & Vibration	MIL-STD-810H
Pressure	MIL-STD-810H
Inclination Angles	Operating quasi-static angles Heel: +15° ; Trim: +10° Dynamic angles Heel: +15° ; Trim: +30°; Period 8s Non-operation constant angles Heel: +60°; Trim: +45°
Sealing	IP 23
Salt Fog	MIL-STD-810H
Noise	< 45 dBA

