



Outdoor

AM-9290 Series Redundancy Control System

Features

- High Reliability with Independent TX & RX Switching
- Remote Monitoring via RS485 or Optional TCPIP/SNMP
- Remote Switching & Control of ODU/BUC
- Built-In Failsafe Mechanism to Ensure Transmission over Critical Failure
- Enables Amplus' Family of Ku-Band or C-Band Transceivers & BUCs to be configured in Redundant System Application
- Designed to Allow Remote Monitor & Control of Redundancy Control Unit & also the settings & Status of Connected Transceivers or BUCs Continuously
- Manual Override via Local Control
- Quick Response Time Upon Failure Detection
- PC Software to Control Redundance System
- Simple Operation Requires Minimal Training
- Manages 1:1 Redundant Chain of Transmitter & Receiver Independently
- RS485 Interface Deployed to Enable Long Distance Connection Between Outdoor Redundancy Control Unit & Indoor PC Terminal

Applications

- Emergency Link Restoration
- Video Teleconferencing & Broadcast
- Maintenance without Downtime
- Mission Critical Data Streaming Applications

Options Available

- BUC/LNB Redundancy System: BUC & LNB, BUC, LNB
- Redundancy Controller: Outdoor or Indoor



Cert No. E08093



ISO 9001



ISO 14001



OHSAS 18001



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AM-9290 Series VSAT Redundancy Control System

Technical Details

Redundancy Control Unit

Frequency Range	70MHz (Transceiver) L Band (BUC)
Input Power	-35dBm to -5dBm
Maximum Input Power	+20dBm
IF VSWR	1.3:1 typical
IF Input impedance	50 Ω
IF Input Connector	N-(F)
Insertion Loss	3dB max
Isolation	50dB min

Mechanical

Dimension	Depends on transmit power requirement
Weight	Depends on transmit power requirement

RF Waveguide Switch

Frequency Range	C Band Ku Band
VSWR	1.1 : 1 max
Impedance	50 Ω
Interface Flange	For C-Band : WR-137 for TX & WR229 for RX WR-75 for Ku Band
Insertion Loss	0.05dB max
Isolation	60 dB min

Operation Mode

Automatic Mode	Auto path switch-over upon failure of online path Full mesh switch eg. (TX A/RX B), (TX B/RX A)
Manual Mode	Manual override via remote PC interface Manual override via local control

Environmental

Input Supply Voltage	220VAC, option: 110VAC
Temperature (operating)	-40 to +55°C
Temperature (storage)	-40 to +85°C
Humidity	0 to 100%
Monitor & Control	Monitor & Control through PC Terminal
	M & C Redundancy System
	Online path selection
	Auto mode selection
	Constant monitoring of online path and offline path
	M&C of Connected Transceiver/BUC
	Channel selection
	ODU status
	Gain adjustment
	Temperature alarm
	Out of lock alarm

**All specifications & designs are subject to changes without notice*

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