Tekron Communication Systems

RSS-2L L-Band Dual Automatic Switch

The RSS-2L switching station incorporates two (2) automatic A/B switches, which can be operated for independent or tandem switching. The RSS-2L is designed to provide redundancy to Horizontal & Vertical LNB feeds received from a satellite dish. For other applications requiring switching of a large number of L-Band feeds at the same site, such as the backup of LNB feeds of a dish farm by feeds from a SimulSat multi-feed dish antenna, or from an L-Band Fiber transport, the highly integrated RSS-6L housing six (6) switches is recommended.

The RSS-2L monitors the Broadband level of the L-Band. It monitors independently the main & backup L-Band input feeds of each switch module for automatic operation and alarming. Threshold level adjustments are accessible from the front panel independently for main and backup inputs of each switch module. The RF switch returns automatically to the main input on its signal restoration above the Threshold level setting, with a built-in Hysteresis. It will also prevent switching to the backup input if its level is degraded and below its Threshold point.

Front panel status LED and toggle override/control switch are available for local monitoring and switch control, with back-chassis terminal connections for remote Status Monitoring of signal presence & switch position and for remote Switch Control of each individual switch module. Additionally, an Ethernet and RS-232 ports are available for remote switch monitor & control over the Network from any Web Browser or via SNMP protocol, sending trap alarms. The dial-up connection allows remote DTMF-tone phone (switch) control.

The RSS-2L offers excellent specifications with minimum insertion loss and a high isolation environment between inputs in the 900–2100MHz L-Band.

Tekron is focused on providing innovative solutions to Switching Monitor & Control applications in Cable Television Headends & Hub sites, as well as Broadcast transmission sites. As such it offers products and complete system solutions to signal scheduled & controlled Matrix switching, automatic signal Redundancy switching and RF channel Monitoring & alarm.