



## RACK MOUNTED 1P3T & 1P6T SWITCH SYSTEMS



The GeoSync Microwave Switching System (SWU) Series are designed to provide local and remote control of a single pole multiple throw microwave switch. The SP3T model provides selection of three high isolation terminated outputs from a single input. The SP6T provides the selection of six high isolation terminated outputs from a single input.

### STANDARD FEATURES

- Broad bandwidth
- High isolation
- Terminated outputs
- RS422, RS485 and 10/100 Base-T Ethernet with embedded web server
- Software updates via Ethernet port
- Elapsed time and event log after power turn on

### MODELS

Model Number	Number of poles
SW-1P3T-600355	3
SW-1P6T-600355	6

### RF SPECIFICATIONS

Frequency (GHz)	Insertion Loss (Maximum) (dB)	Amplitude Flatness/Any 50 MHz (Maximum) (dB)	Return Loss (Minimum) (dB)	Isolation (Minimum) (dB)
DC-18	5	±0.25	10	45

## REMOTE CONTROLS

Serial Interface	RS485/RS422
Ethernet Interface	10/100Base-T Ethernet interface providing:
	-HTTP-based web server
	-SNMP 1.0 configuration
	-Alarm reporting via SNMP Trap
	-Telnet Access
	-Password protection

## INDICATOR and ALARMS

Remote Mode	Green LED (front panel)
Alarm	Red LED (front panel)
Summary Alarm	Contact closure/open for DC voltage and local oscillator

## PRIMARY POWER REQUIREMENTS

Voltage.....	90-250 VAC
Frequency.....	47-63 Hz
Consumption.....	13W typical
Fuse.....	T1.25A

## PHYSICAL

Weight .....	10 pounds (4.5kg) nominal without rack slides
	14 pounds (6.4kg) nominal with rack slides
Chassis Dimensions .....	19" x 1.75" panel height x 20" maximum
Connectors-	
RF .....	SMA female
Summary Alarm .....	DE-9P
Remote Interface .....	DE-9S for RS485, RS422
	RJ-45 female for Ethernet
Primary Power .....	IEC-60320-C13/C14
Redundancy Interface .....	DE-9S

## ENVIRONMENTAL

Operating-	
Ambient Temperature .....	0 to 50°C
Relative Humidity .....	Up to 95% at 30°
Altitude .....	Up to 10,000 feet
Non-operating-	
Ambient Temperature .....	-50 to 70°C
Relative Humidity .....	Up to 95% at 40°C
Altitude .....	Up to 40,000 feet
Shock and Vibration .....	Normal handling by commercial carriers

**NOTE:** FOR DESCRIPTION OF OPERATION REFER TO TECHNICAL NOTE GSXX-TCN.