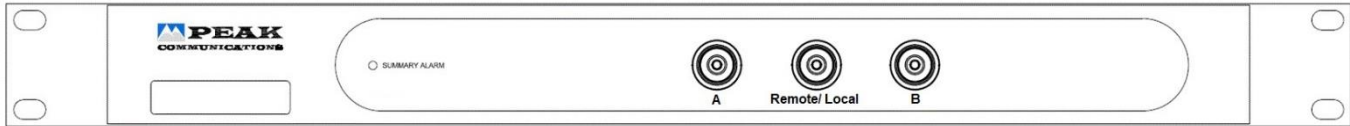# ISD Series

Rack Mounted Co-Axial & Waveguide Switch Control Units

The **ISD series** rack mounted control units provide a solution for driving external co-axial & waveguide switches in Satcom and other applications. Peak are happy to provide suitable new switches, or the units can drive & control existing 'legacy infrastructure' switches.

Single or dual switch controls are available with either independent or simultaneous actuation.

The **ISD series** units are designed for remote control via Ethernet, but are also offered with basic local controls. Remote control includes an embedded web-browser with SNMP network management support.

> Peak can supply internal or external RF switches, systems and cabling, for more details please consult the factory.
> For redundancy solutions including BUC /BDC /LNA /LNB monitoring & control, please see RCU50R /RCUH50 series.

Peak Features

- Internal or external waveguide or co-axial switch control
- Comprehensive remote control, plus local manual controls and indicators
- Useable with existing 'legacy' RF infrastructure or new installations
- Compatible with most makes of co-axial and waveguide switches

ISD Series Units – Typical Specification

Code S; single switch drive
Code D; dual switch drive, with independent or simultaneous* operation (user configurable)

Note*: For simultaneous operation a delay between S1 & S2 actuation can be expected, duration will depend upon switch type & rating (please consult factory for details)

External switch interface

Peak can supply switches etc. (please consult factory for details)

Switch Voltage		
	Code 2;	+12VDC
	Code 4;	+24VDC
Switch type	Pulsed, latching with indicators, positive or negative (user configurable)	

Note: negative pulse versions can be configured for use without tell-back indicators

Connections	Circular multi-pole (mating part supplied if no cable assembly ordered – see option 1)

Mechanical

Width	19", standard rack mount
Height	1U (1.75")
Depth	420mm (16.5"), plus connectors
Weight	4.0kgs (8.8 lbs)
Construction	Aluminium chassis

Environmental

Operating temp	0 to +50^{0}C
EMC	EN 55022, part B & EN 50082-1
Safety	EN 60950

Power Supply (dual, redundant)

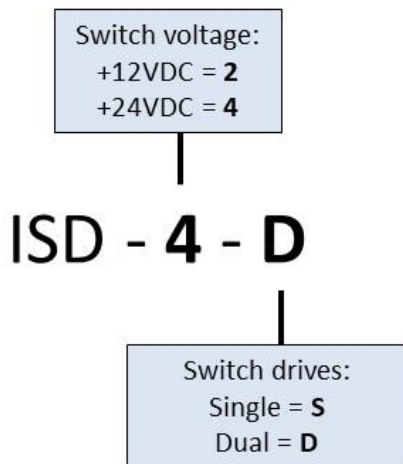|	
Connection	IEC (dual feed cables provided)
Voltage	90-264VAC
Frequency	47-63Hz
Power	50 Watts max.

Control System

Alarms	LED indicator & summary failure relay (form C)
Connection	Circular multi-pole (mating part supplied)
Local control	Switches with indicators for local /remote and switch position selection
Remote control	Ethernet; embedded web server & SNMP network management support.
Connection	RJ45

Options

1) Cable assembly for use between ISD and RF switches
16) Factory pre-set IP address

Ordering Code

Rear panel view (sample, dual-channel version)