SPC3U02, Universal Control Unit

The SPC3U02 is a user-friendly Controller housed in a 3RU chassis featuring a 7 inch touch display for front panel control.

The Controller is capable of operating with up to 3 amplifiers along with 4 switches.

The intuitive user interface provides easy configuration of a Single or Redundant 1:1, 1:2 and 1+1 Phase Combined configurations.

Air to Load and Polarity Switching combinations can also be accommodated.

A Beacon Receiver Input facilitates Uplink Power Control (UPC) of the Amplifiers which when enabled provides automatic control of the Uplink Power for associated weather conditions.

FEATURES

- 7" Touch screen display for easy monitor and control visibility status of up to three HPAs and four switches.

- Dual Ethernet interface provides local and remote communication.

- Dual redundant power supplies

- The Controller Touch Screen front panel can be locked with a User Login to restrict access.

- Communications between the Controller and Amplifiers is provided via a single cross site Ethernet connection directly to the Spacepath Universal Interface Enclosure.

- New Web GUI replicates the front panel control and provides clear indication of the Amplifier status and RF switch routing.

- A Beacon Receiver Input facilitates Uplink Power Control (UPC) of the Amplifiers which when enabled provides automatic control of the Uplink Power for associated weather conditions.

SPECIFICATION

Electrical

Voltage .... 90 to 264 VAC
Frequency .... 47 to 63 Hz
Power requirement.. 25 W nom
Power factor .... 0.96 min
Input surge current ....100 A max at 230 VAC

Mechanical

Weight...<2kg
Dimensions:
    width .... 483 mm (19inches)
    height...3U, 132 mm (5.1 inches)
    Depth .... 256 mm (10 inches)
Cooling .... Natural

Environmental

For operation outside these parameters, refer to SpacePath Communications for guidance.
Operating temperature...− 20°Cto +40°C
Storage temperature .... − 40°C to +70°C
Relative Humidity (non-condensing)...95%
Vibration ....BS EN 60068-2-64 test Fh, Transportation
Shock.............................. IEC Publication 68-2-27 Part 2 Test Ea 25 g

Connectors

Prime Power (2 off) .... IEC C14
Beacon Receiver Interface .... D-Sub 9-pin plug
Ethernet (2 off)..RJ-45 Socket

Regulatory

EMC..............................EMC Directive 2014/108/EU and FCC Part 15
Safety ....Low Voltage Directive 73/23/EEC BS EN 60950
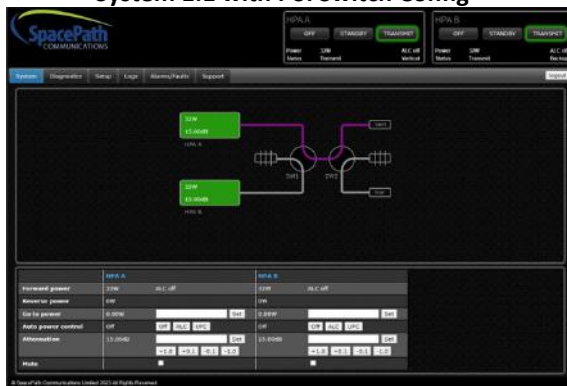RoHs ....RoHS Directive 2011/65/EU

CONTROLS/DISPLAY
7" Touch Screen

FRONT PANEL INDICATORS
Power Supply #1/#2 OK
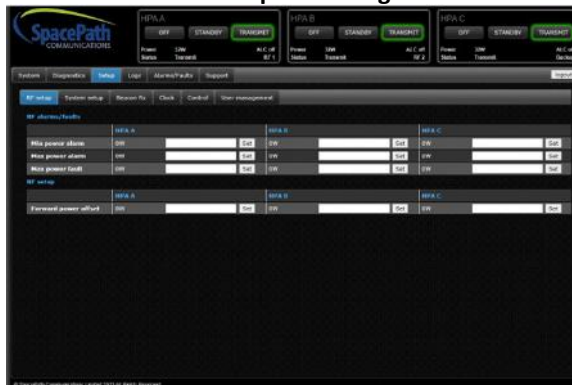

Web Browser

System 1:1 with Pol Switch Config

System 1:2 Config

Diagnostics 1:2 Config

RF Setup 1:2 Config

System Setup 1:2 Config

Beacon Setup 1:2 Config