



Intercom components such as belt packs, loudspeaker stations, signal lights, etc. are being controlled and addressed from main stations that also provide the necessary operation voltage.

These main stations mainly come in standard 19" rack format. For those users of intercom systems that don't wish to carry bulky 19" equipment, we have developed a compact power supply that allows operating intercom components without a main station. Operation voltage is being carried through standard microphone cables.

The new PS101S allows operation of up to approximately 15 intercom components.

Housed in a rugged steel case with rubber feet, the PS101S will operate many years flawlessly. It provides 700 mA of current continuously through a built in switched mode power supply with very low ripple and rf emission.

Front Controls

Power Switch (1)

Please switch on not before you have connected all components and the mains cable.

Fuse Holder (2)

Uses glass fuse, 5 by 20 mm, 1.6 A slow blow. If this fuse should ever fail, please replace it with one of the same strength. If it should fail again, send the unit to the factory or give it to your dealer for inspection.

The **overload led** will light only when you connect too many components to the PS101S and the **green power indicator** when you switch on the PS101S.



Rear side features the mains connector (so called mickey-mouse plug) as well as the two intercom connectors. The latter are standard 3 pin xlr male microphone connectors (Neutrik). A line termination circuit stabilizes the audio intercom signal. For those instances you should have no xlr female connector on hand, we have a simple solution: We supply a Neutrik gender changer (NC3FF) with the PS101S.

As before mentioned, the PS101S provides a continuous current of 700 mA. Peak current is 1.3 A. A higher continuous current than 1.3 A would overload the power supply and it would go into protect mode.

If current draw falls under 1.3 A, the PS101S would resume normal operation.

Output voltage is 24 VDC, stabilized and with ultra-low ripple. This voltage is safe and not hazardous when the connector pins are being touched. The PS101S has being factory checked and confirmed for failure free operation of 15 pcs. belt packs BP100 at a power voltage source from 100 VAC to 240 VAC.

Specifications

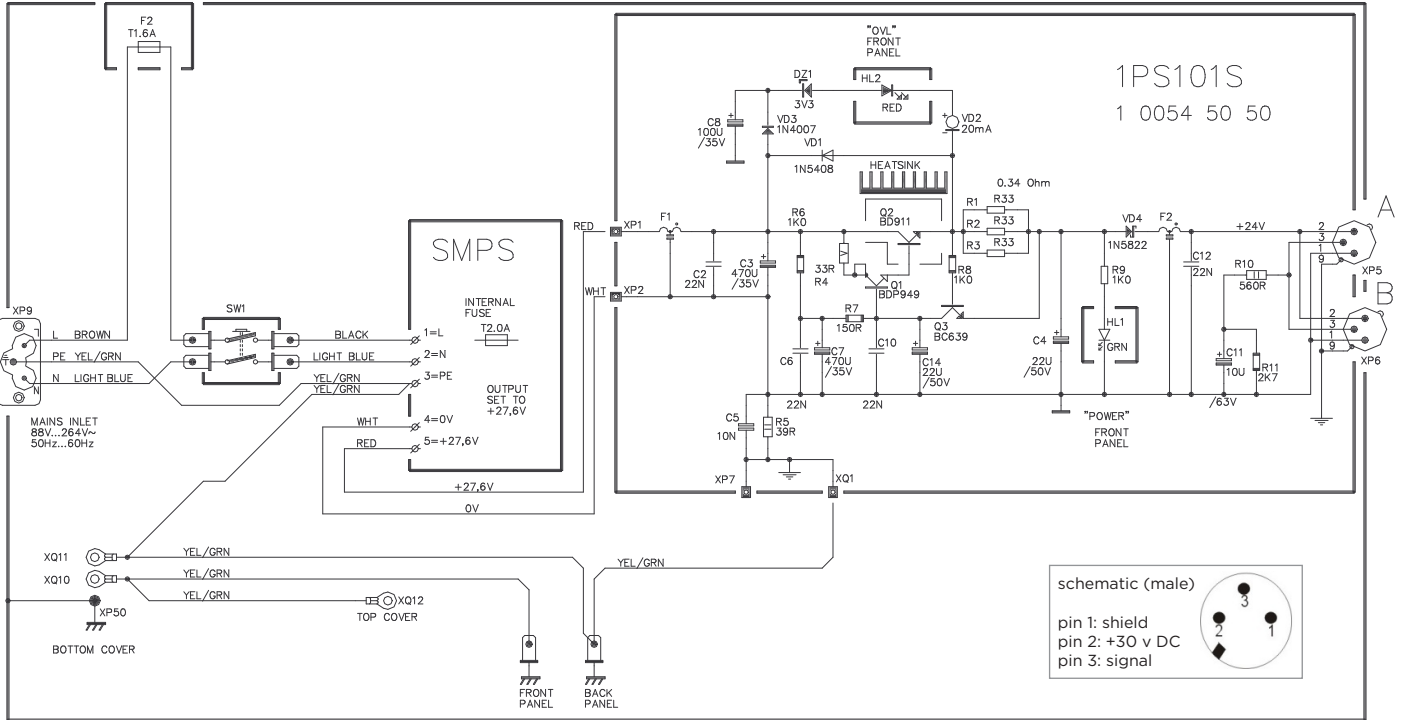
Power Input

Power Supply	100 to 240 VAC, 50/60 Hz, 31 VA
Input Current	0.7 A at 115 VAC, 0.4 A at 230 VAC
Input Connection	IEC C6 (Mickey-Mouse)

Output

Output Voltage	24 DC voltage, filtered
Output Current	0.7 A continuous, 1.3 A peak
Output Connectors	Two 3 pin xlr male connectors. Pin 1 = 0 V; pin 2 = +24 VDC voltage; pin 3 = audio signal and signalization. Impedance termination is 560 Ohms

circuit diagram power supply PS101S



Declaration of Conformity for

Model: axxent PS1012S

Type of Product: Power Supply Unit for Communication Systems.

We herewith declare as our sole responsibility that this equipment complies with

EN61000-6-3: Tested equipment complies with requirements set by EN-61000-6-2: 2007 standard for residential, commercial and light industrial environments to the extent of Table 1.

EN61000-6-1: The equipment complies with requirements set by EN 61000-6-1: 2007 for electromagnetic susceptibility level for residential, commercial and light industrial environments to the extent of Table 2.

We further declare that this equipment fulfills the criterial of the low voltage directive 2006/95/EG of Decmeber 12, 2006 regarding electrical equipment.

Gelnhausen, June 11, 2018

axxent e.K.

Josef Becker, Proprietor