



Figure 1-12. SWR-2122P Patch-Point Switcher simplified schematic

## 1.3. Specifications (all models)

### 1.3.1. Electrical Characteristics

Max Voltage Rating	200 V pk, 160 V rms
Max Signal Power <sup>1</sup>	30 watts or 1 ampere, whichever is greater
Crosstalk <sup>2</sup>	
Balanced 600 Load	
20 kHz	-140 dB
100 kHz	-126 dB
Unbalanced 600 Load	
20 kHz	-120 dB
100 kHz	-106 dB
Series Resistance	Typically <0.3 ohms per side
Shunt Capacitance	Typically <90 pF, each side to ground

<sup>1</sup> Relay contact resistance degrades rapidly with increasing switched power. For maximum relay life (typically 20 x 10<sup>6</sup> operations) Audio Precision recommends limiting the maximum switched signal power to 5 Watts or 200 mA

<sup>2</sup> Measured between any two selectable channels into the specified load impedance. SWR-2122P (patch point switcher) crosstalk from the interrupted input to output is typically 70 dB to 20 kHz.

**1.3.2. General Characteristics**

Power Requirements	100/120/230/240 V ac (-10%/+6%) 50-60 Hz, 20 VA max
Temperature Range	
Operating	+5°C to +40°C
Storage	-40°C to +75°C
Humidity	80% RH to at least +40°C (non-condensing)
Altitude	2000 m Maximum
Dimensions	16.5 x 1.75 x 10.5 inches [41.9 x 4.4 x 26.7 cm]
Weight	Approximately 9.9 lbs [4.5 kg]

**1.3.3. Regulatory Compliances**

EMC <sup>3</sup>	Complies with FCC Part 15 Subpart J (class B), 89/336/EEC, 92/31/EEC, and 93/68/EEC, EN 50081-1 (1992) Emissions Class B, EN-50082-1 (1992) Immunity
Safety	Complies with 73/23/EEC, 93/68/EEC, EN6010-1 (1993) – IEC 1010-1 (1990) + Amendment 1 (1992) + Amendment 2 (1995) Installation category II – Pollution Degree 2

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<sup>3</sup> Emission and Immunity levels are influenced by the shielding performance of the connecting cables. The shielding performance of the cable will depend on the internal design of the cable, connector quality, and the assembly methods used. EMC compliance was evaluated using Audio Precision XLR type cables, part number 4155.0117.