PAU990

The PAU990 (Public Addressing Unit) is a 2U high euro-rack module. It is used for remote PA systems. The PAU990 is a generation of power amplifiers with highly efficient class D amplifiers. It can be connected to analogue or digital (IP) sources. The digital communication is based on VOIP (RTP / SIP) protocol. The PAU990 has four full power 120W/100V outputs and is equipped with return amplifiers. These amplifiers use the connected speakers as microphone inputs. This enables the controller to listen to sound at the location of the remote site. The attenuation of the outputs and the return amplifier can be adjusted by the volume control on the front or by the settings from the integrated web server.

Key Features

Power

Supply voltage	230VAC +/-20%
Maximum power	650 Watt

Audio

Number of channels	4
Distortion	<0.5% at full load
Delay	3ms* see network
Volume control range	30 dB
Bandwidth	300-3400 Hz
Power per channel	120 Watt

Reliability

MTBF	1 · 106 hours

Network

Ethernet	10/100Mbit auto neg.
Ethernet cable	CAT 5 or better
VOIP	RTP/SIP

Environmental specifications

Operational	-20°C to +60°C
Relative Humidity	5% to 95% non-condensing
Storage temperature	-20° to 85°C
Dimensions	19″ Euro rack x 2U x 330 mm
Emission	EN55022, EN61000-3-2 / 3-3 / 4-2 / 4-3 / 4-4 / 4-5 / 4-6 4-11
Immunity	EN55024