

HLS-UA Power & Input Adapter

The HLS-UA is a an accessory for use with the HLS-2C Active Loop Panel.

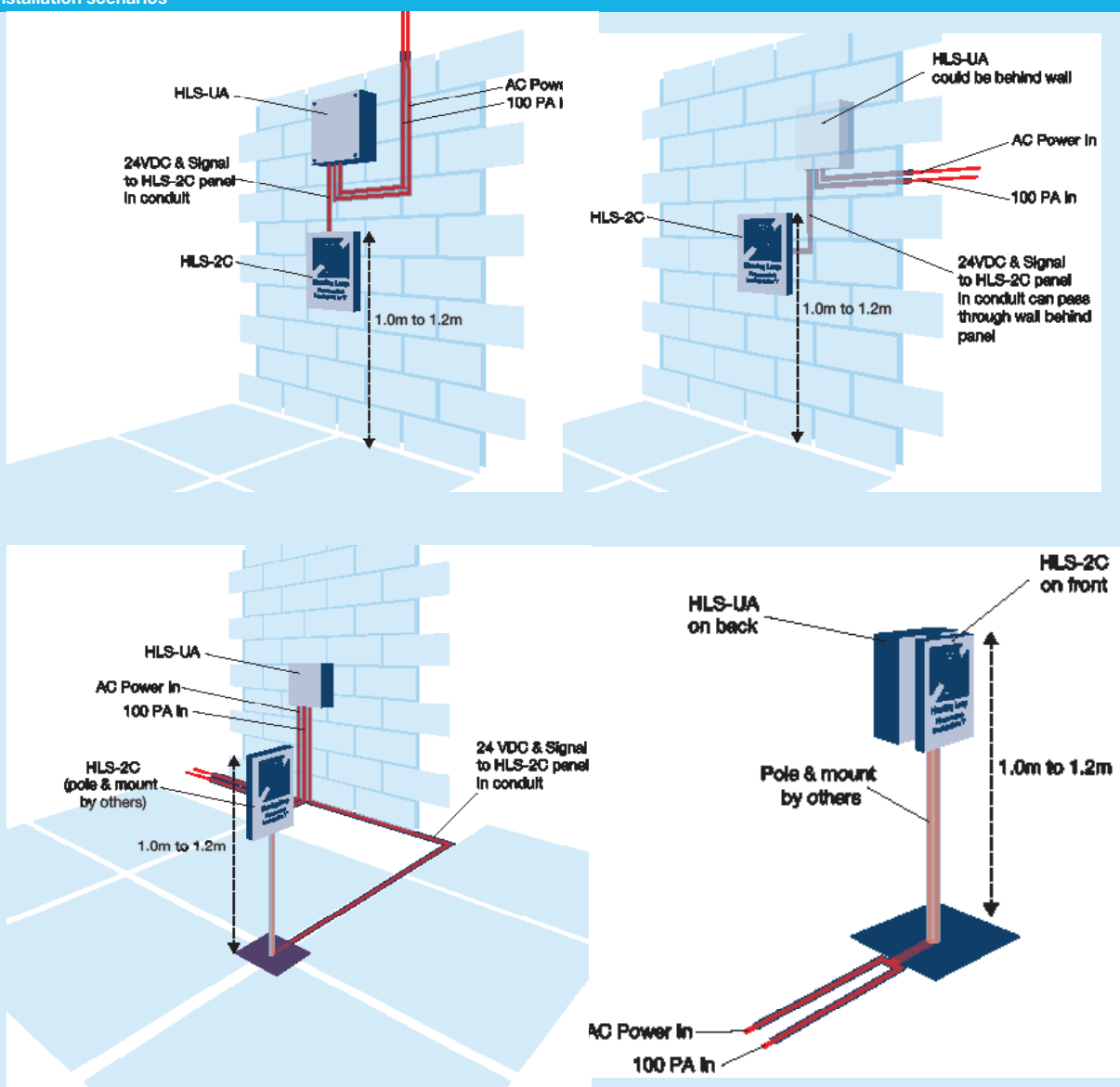
The HLS-UA allows the HLS-2C to be used as a listening point providing hearing assistance with a 100 V line PA system in circumstances where there is no DC low voltage supply available.

It includes an AC mains power supply (110 V / 230 V AC) providing a 24 V DC output and an input signal adapter to connect from 100 V line PA to a level suitable for the HLS-2C.

When correctly mounted, and with appropriate cable glands, the enclosure can provide IP65 protection to the power supply and signal input adapter.



Typical installation scenarios



HLS-UA Product Information

The HLS-UA enclosure is designed for simple, permanent installation, with secure lid protecting parts and connections. The case is chosen to make access simple, and to ensure the unit can be installed in most spaces.

Mounting

Designed for wall or vertical panel mounting using 4 screws.

Enclosure access

Removable sealed lid, secured by 4 single turn screw fasteners. Lid is restrained by an earth bond wire for safety.

Cable routing

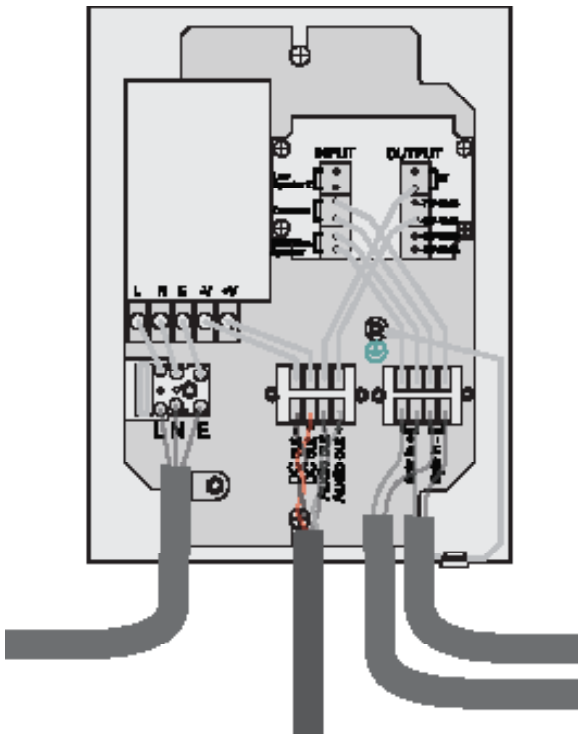
Cable entry points should be made in the lower face of the unit by the installer to suit the installation environment, allowing conduit or cable glands to be used as appropriate.

Cable connections

Robust spring terminal connections are provided for 100 V line PA Input and Loop through connections, and for DC and Signal outputs to the HLS-2C. AC power connections are made using screw terminals, and a P-clip is provided for cable restraint. All connections are securely mounted on the chassis plate.

Standards Compliance

The HLS-UA is CE marked to indicate compliance with relevant product safety and EMC standards.



INPUTS

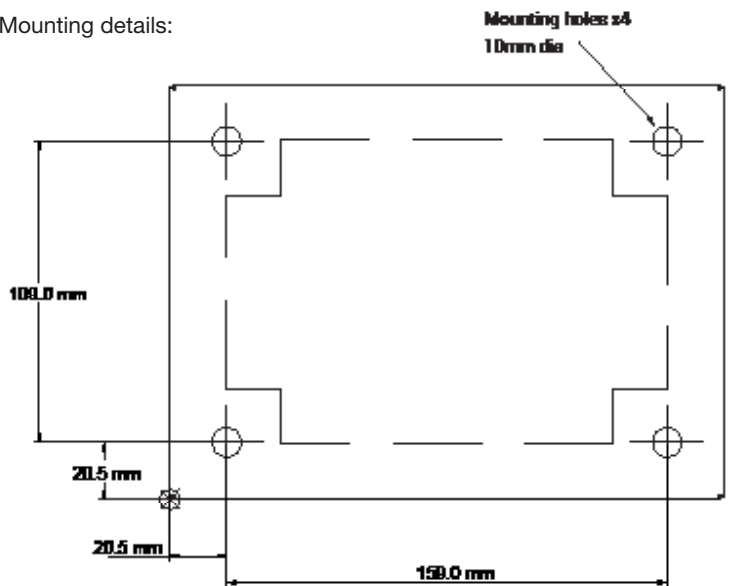
Mains power supply	Supply voltage range:	90-264 VAC
	Supply voltage frequency:	47-63 Hz
	Connector:	Fused screw terminal, 0.5 - 2.5 mm ² solid core or untinned fine stranded wire
	Fuse:	1 AT (spare supplied)
	Power Consumption:	110 mA continuous sine
		70 mA continuous pink noise
	30 mA quiescent	
Isolation (60 s):		3 kV (input/output)
		1.5 kV (input/case)
		0.5 kV (output/case)
Audio input	Voltage:	100 VAC max
	Connector:	Wago cage clamp, 0.1 - 2.5 mm ² solid core or untinned fine stranded wire
	Isolation:	5.5 kV (6.5 kV for 1 sec)

OUTPUTS

Audio output to HLS-2C	Voltage:	1 VAC nominal -40 dB relative to audio input
	Connector:	Wago cage clamp, 0.2 - 0.75 mm ² solid core or untinned fine stranded wire twisted pair (Note 1)
DC output to HLS-2C	Voltage:	24 VDC nominal
	Power Consumption:	15 W max
	Connector:	Wago cage clamp, 0.5 - 1.5 mm ² solid core or untinned fine stranded wire (Note 1)
Environmental	Operating temperature:	-20 to +70 °C
	Humidity (non condensing):	90 % RH max
Physical	Dimensions	width 150 mm x length 200 mm x depth 82 mm
	Weight	2 kg

Note 1: Wire size range specified to match terminals of both HLS-2C and the HLS-UA products

Mounting details:



AMPETRONIC

