

# A complete solution for providing people with hearing loss with essential access to intercom audio



## HLS-2C Active Loop Panel

Facilitates compliance with international equality of access legislation

**AMPETRONIC**

Listen to the difference

# Why is a Hearing Loop needed?



**Audio from intercoms system directly to telecoil**

Intercom systems are now commonplace in a wide variety of door entry systems. Flats and apartment blocks in particular utilise door entry intercoms to allow a person wishing to gain access to communicate with another person, who may be a considerable distance away. Intelligibility of the sound produced by these systems are

problematic for hearing-aid users as sound reproduced through small speakers has limitations in terms of fidelity and output level and competes with other environmental sound picked up by the hearing-aid. To vastly improve the level of service offered to people with hearing loss, and to comply with equality of access to services

legislation, it is necessary to provide a Hearing Loop facility in order to couple the audio directly with the hearing aid. The Hearing Loop transmits the audio from the intercoms system directly to telecoil enabled hearing aid, BAHA or cochlear implant via a magnetic field, thereby eliminating the speaker and background noise altogether.

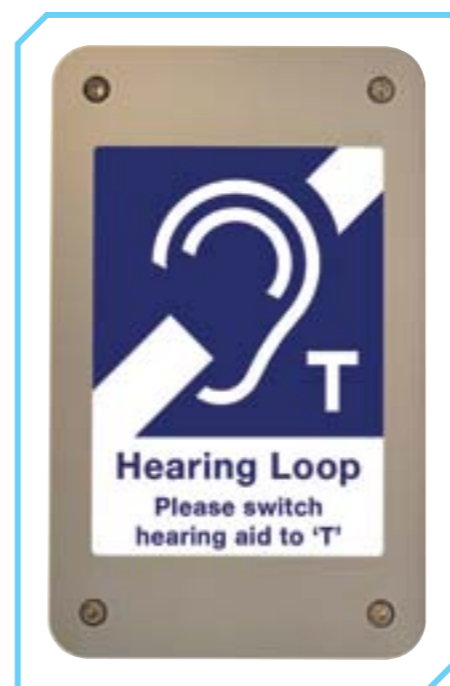
## Legislation

The provision of access to services, including audio, is also recognised and specified in international legislation including, but not exclusively:

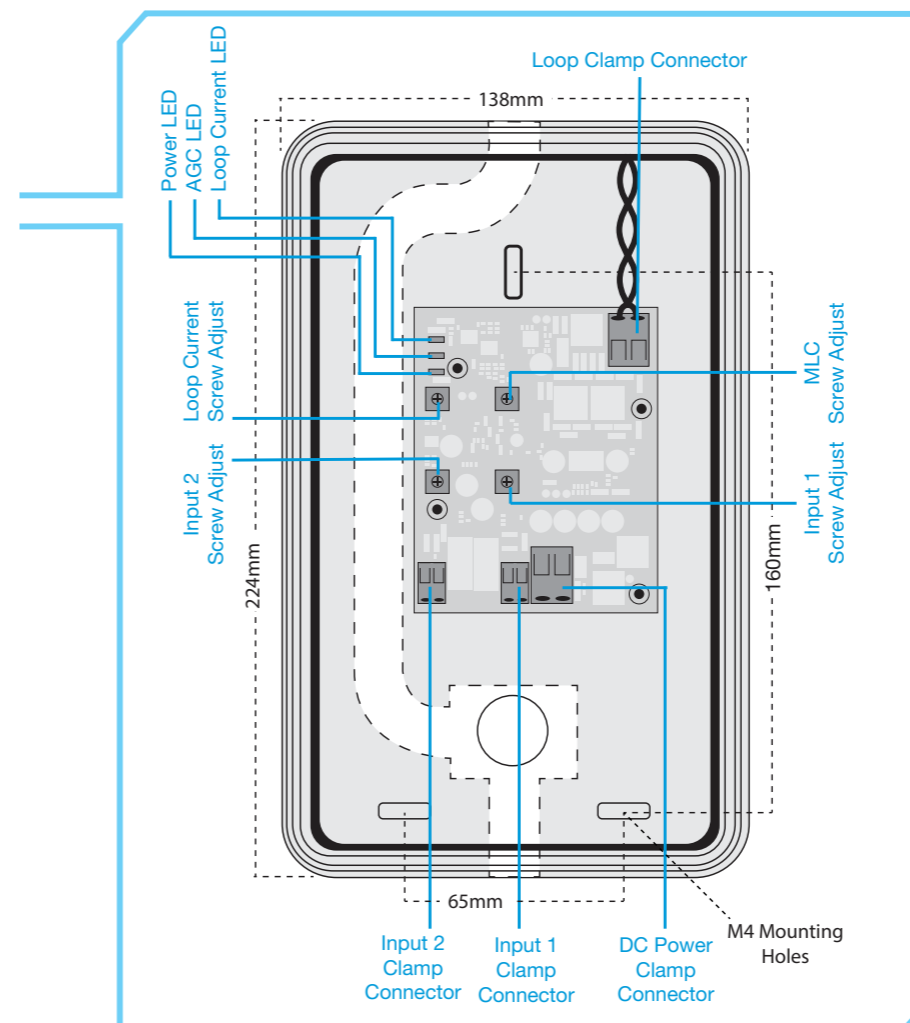
Equality Act 2010 (UK), ADA 1990 (US), DDA 1992 (AUS), DDA 1995 (NI), BGG (DE), The Building Regulations 2010, Building (SCT) Regulations 2004,

Building Regulations (NI) 2012, Establishments servicing the public 2007 (FR)

**Compliance with equality of access to services legislation**



# Lightweight, compact & easy to install



## Features

- Compact and robust design
- Compliment intercom panels
- Simple integration & installation
- Low power consumption
- Class D efficiency
- DSP for unrivalled intelligibility
- Prides a localised magnetic field
- Low lifetime cost
- Excellent reliability, 5 year warranty & free technical support
- Power supply (12-24V DC)
- Transformer isolated inputs
- Metal loss correction

The Active Loop Panel is a lightweight, compact unit with aesthetic styling designed to complement typical intercoms. It combines all the crucial elements of a functional hearing loop system, requiring only power and an audio input to provide essential access to individuals with hearing loss. It comprises an IP rated

case, efficient class D loop driver (amplifier), multi-turn copper loop and the internationally recognised signage that informs the user that the service is available. It designed to be mounted close to an entry intercom or other device where it can be connected to the audio source via transformer isolated balanced

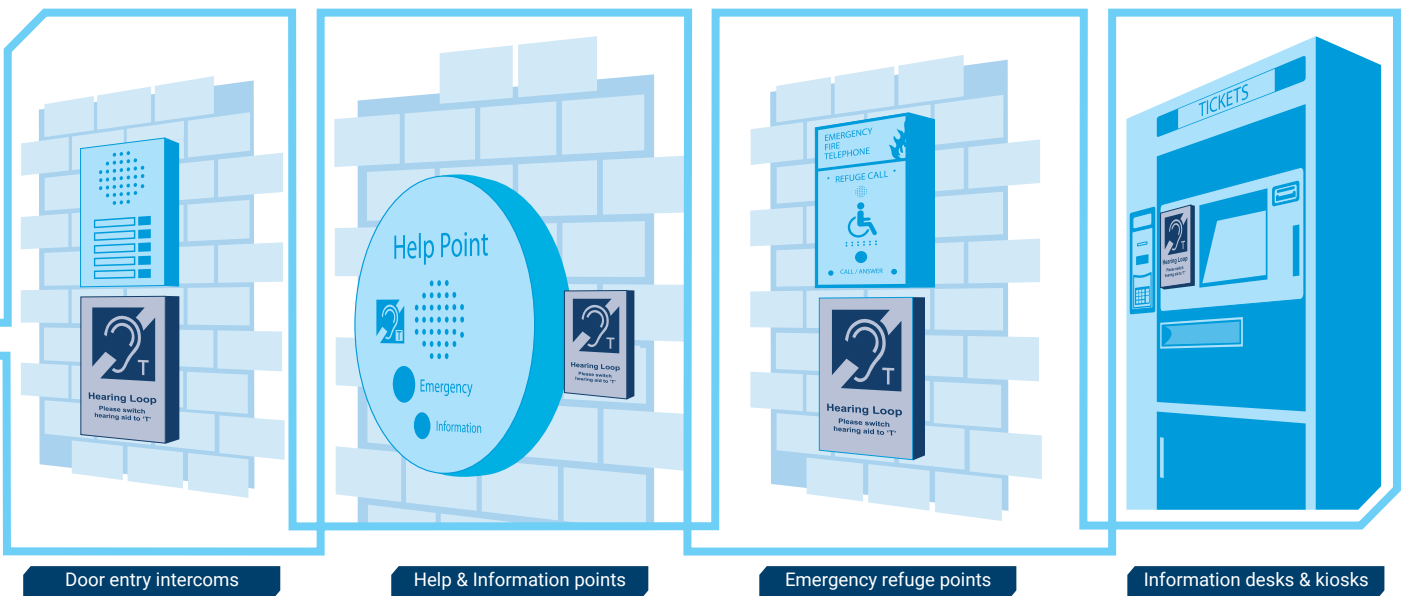
input. Installation is quick and simple, requiring only the removal of the front cover to reveal the fixing points and quick clamp DC power and line level connections – with only adjustments to current, gain and metal loss compensation being required if necessary when commissioned using a Field Strength Meter.

# Typical applications

Testing or commissioning a Hearing Loop system against the IEC 60118-4 Standard can be an involved process, particularly if you aren't doing it on a regular basis. In recognition of this, signing into your online Loopworks account in the App opens up intuitive walkthrough guides.

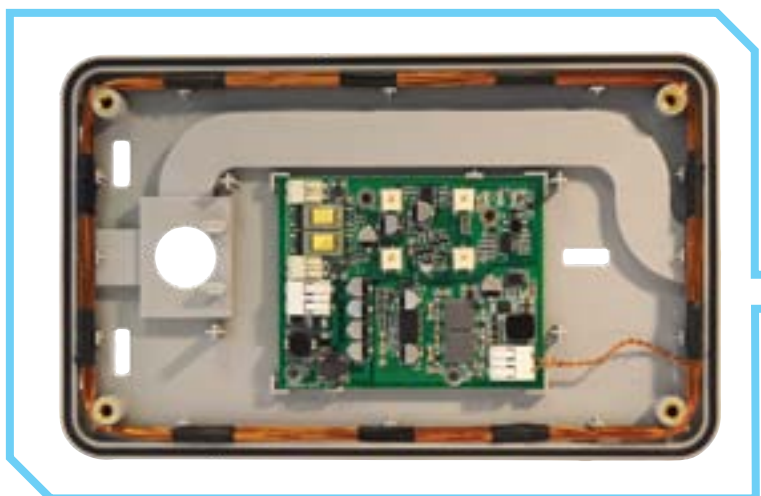
Using the walkthrough guides is easy, simply define the test points in the area you want check the performance in and select the appropriate guide – following the on-screen instructions which direct you to change amplifier settings, input signals and select a system type (area coverage or service point).

There are four walkthrough guides available, each of which allows you to take and store the appropriate meter measurements to set up the system and to store the data required to make a professional report or commissioning certificate.



## Loop performance

The HLS-2C will allow an Audio Frequency Induction Loop system that meets the requirements of IEC 60118-4 to be created at the expected height and distance of a single user, if the system is specified, installed and commissioned in an appropriate manner, including observing Ampetronic instructions.



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