

# Inductive Loop for the hearing impaired

## What is the Inductive Loop System?

The inductive loop system helps to deliver high quality sound directly to hearing aids (with telecoil facility), enabling the user to hear sound from particular sources e.g. televisions, stereos and computers within their own home. It works using the same principles as inductive loop systems that are commonly installed in public buildings such as churches, hotels and theatres.

The system has been uniquely designed to connect to a Lifeline Vi+ home unit or Communicall Connect speech module to enable the user to clearly hear the operator/caller during alarm/telephone calls through the Tunstall units.

## How does it work?

The inductive loop system is installed in the user's living area and connected to their chosen sound sources, e.g. television, and their Tunstall home unit or speech module. Whilst watching the television, the inductive loop provides clear sound to the user's hearing aid when it is set to the telecoil position (T setting).

This not only greatly improves the user's experience whilst watching television but also provides them with a higher level of protection by switching the sound they hear when a telecare alarm is raised.

When an alarm is raised through the Tunstall home unit or the unit rings, the inductive loop system will intelligently fade from the television over to the sound coming from the monitoring centre via the Tunstall home unit. This helps the operator to communicate with the user therefore providing greater understanding of the user's situation enabling them to provide a more appropriate and efficient response.



## Who is it for?

The inductive loop system is ideal for anyone who has or could benefit from a telecare solution and also wears a hearing aid with a telecoil facility (T setting).



Sign widely used to indicate the presence of an inductive loop system

## Features and benefits

- Improves experience and enjoyment of watching television - by greatly enhancing the sound quality delivered via the user's hearing aid
- Hearing aid compatible - the system is compatible with any hearing aid that has a telecoil facility (T setting)
- Enhances sound - sounds from sources such as televisions can be enhanced reducing the need for users to have sound volumes set a very high levels
- Reduces noise nuisance - by avoiding the need to have television set to very high volume levels, the system helps to avoid noise nuisance to neighbours
- Enhances safety - the user can be quickly made aware via the inductive loop system of telecare alarms that have been generated in another room thereby offering them greater levels of protection

## Technical details

Compatibility:	Lifeline Vi+ and Communicall Connect speech modules
Cable length:	Inductive loop - 30 metres (min 8m) Tunstall home unit to inductive loop amplifier - max 5 metres Inductive loop amplifier to TV - max 5 metres
Inputs:	Up to 4 sound sources can be used simultaneously
<b>Standards</b>	
EMC:	EN61000-6-1:2007 Immunity, EN61000-6-3:2007 Emissions.
Low Voltage:	ETSI EN 300 220-2 (2007) Class 1
Part number	Inductive Loop System*      D4109002A

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