

Claude Systems Ltd.

Induction Loop System Installation Instructions Issue 5 (26/4/04)

The CLAUDE SYSTEMS Induction Loop System is designed to be fitted easily to most counter configurations.

Please read the following instructions before installation of this equipment, as this will assist you in correct installation and operation of the equipment.

The system consists of the following items :

- 1] 1 off 993016 Induction loop wire antenna.
- 2] 1 off 993401 Induction loop processor.
- 3] 1 off 993020 Power supply adaptor unit.
- 4] 1 off 993018 Surface mount microphone.
- 5] 1 off Self-adhesive 'induction loop system in use' double sided sign.
- 6] 1 off Installation instructions.
- 7] 1 off Fixing kit consisting of (10 off Ty-Raps & Bases + 4 off self tap screws)

Equipment Location Details:

Typical under counter installation

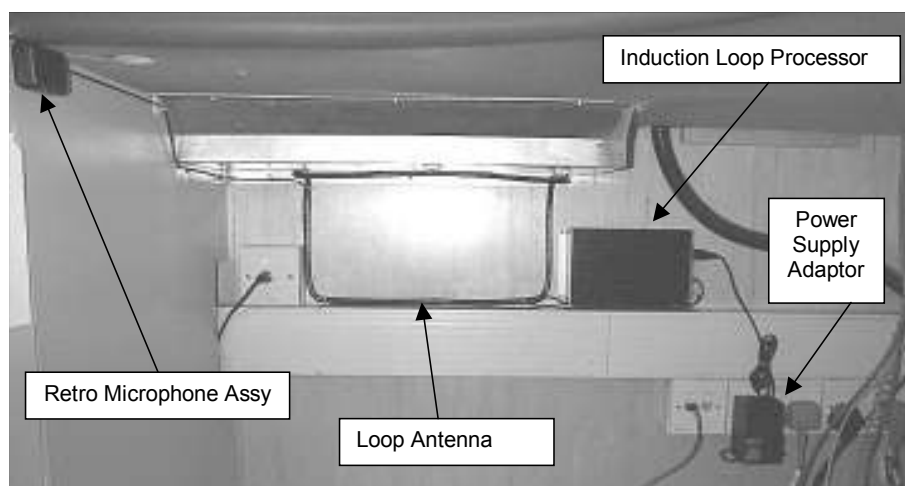


Fig 1

The Loop Antenna:

The loop may be fixed with cable clips or alternatively with self-adhesive cable ties and bases. The loop antenna can be bent into a suitable shape to allow for under counter conditions as shown in the example. (Fig 1). However, the **recommended** mounting position is **vertically** under the counter, close to the counter top, on the staff side

Do not install the loop antenna directly onto a large ferrous type metal surface, as this will impair the performance of the system.

Please contact Claude Systems for advice if such an on-site situation arises.

The Loop Processor:

The loop processor should be located where the front panel is visible to the operator / user, to ensure the system is operating correctly.

The loop processor when secured in place, should be in such a position as not to obstruct or cause injury, typically fitting the unit to the rear panel, as shown in the example shown (Fig 1), should avoid this occurring.

The retro microphone assy:

The microphone should be located away from any direct sources of noise, ie printers, fans, etc. As when in use, the microphone effectively becomes the hearing aid users ear when the aid is switched to the 'T' position. Typically just below the desk top, to one side, as shown in the example (Fig 1), is found to be a quiet location, and also close enough to pick up the staff members voice.

Connection Details:



The loop antenna (993016) wire terminations should be secured into the removable screw terminal connector –plug at the back of the processor unit, as shown in the example above.

The staff microphone (993018) located on the staff side should also be secured into the removable screw terminal connector– plug at the back of the processor unit as shown above. (The public microphone connections are for the additional option of placing a microphone to pick up on the public side for use by staff members)



The Power Supply Adaptor (993020) as shown in the example above, should be connected to the appropriate socket at the rear of the processor unit (993401)

General Operation:

The system is initially set at component assembly for **nominal operation**.

Once all the component parts are installed and connected, plug the PSU adaptor into the mains socket and switch the mains on. The green indicator located on the front of the loop processor unit should light.

Speaking into or nearby the microphone should show the green indicator flickering between orange and green. If the green indicator does not flicker, the connections to the loop processor may not be connected properly, please ensure all the connections are made securely. If all connections are established to be good, then a faulty component may be the cause of the problem. Contact CLAUDE SYSTEMS or your distributor for further information or replacement parts.



Adjustment of the system:

On the front panel, to the right of the loop operation LED is access to the field adjustment control. To set this control you will require an Induction Loop Tester / Receiver (this can be purchased from CLAUDE SYSTEMS) or alternatively a hearing aid user. Using a small flat blade screwdriver turn the control **Clockwise to increase the area** covered by the loop, or turn **Anti-clockwise to reduce the area** covered.

The green indicator LED flickering between orange and green gives a positive indication that the **complete system** is working correctly, as it **detects the microphone** is picking up sound, **the loop antenna** is complete and connected, and **the front panel setting** is adjusted correctly. In correct operation during periods of reduced levels of background speech, the green indicating LED will only flicker orange occasionally.

If there are any questions about the installation or operation of the loop system, please consult the supplied guidance note information leaflet. This provides system operation and contact details.

'Loop in use' signage should be positioned in unobstructed clear view, on an upright glass surface at the position fitted to inform members of the public of the facility. The staff member should also be able to read the user instructions printed on the back of the sticker.

Guarantee

The Inductive Loop System processor is guaranteed for ONE YEAR on a replacement basis. The guarantee does not cover faults caused by incorrect installation or external damage.

Health & Safety

The equipment is classified as low voltage operation to EN60065 [BS415]. and therefore there are no Health & Safety implications when operating the system. However, please note that there are **NO** user serviceable parts inside the equipment.