

PDA200E

WALL-MOUNTING INDUCTION LOOP AMPLIFIER

The PDA200E is unlike any other induction loop amplifier. Its straightforward internal screw connectors and easy to adjust controls mean no specialist audio experience or connectors are required.

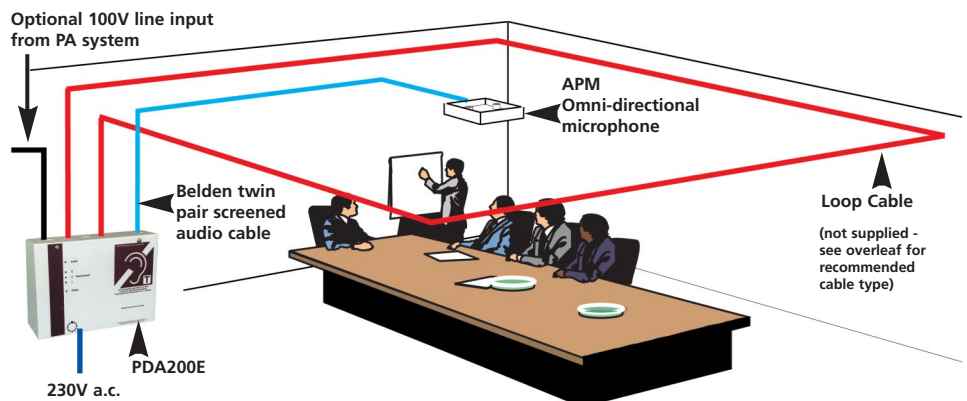
By following its simple set-up procedure, only a handful of adjustments are necessary, allowing a top quality assistive listening system to be set-up in its entirety by any competent electrician.

For ease of specification and installation, the PDA200E is available either on its own or in a variety of cost-effective 'AK RANGE' kits which are suitable for use in meeting rooms, lecture theatres, hotels, churches, schools, shops, nursing homes, etc. (see overleaf for details).



- Provides max. square room coverage of 120m² (11m x 11m) or max. rectangular room coverage of 250m² (10m x 25m)
- Straightforward internal screw connectors
- Wall-mounting metal enclosure for permanent installation
- Internal tamper-resistant drive, level and tone controls
- One balanced/unbalanced microphone input
- One balanced/unbalanced line level input (for TVs, CD players, etc)
- Alert tone switch input for doorbells, fire alarms, security systems, etc
- 100V line input for PA system connection
- External loop drive current and power on LED indicators
- Optional 'outreach plate' input extension system allows a greater variety of inputs to suit virtually any application
- Helps satisfy the requirements of the Disability Discrimination Act, BS8300 and the Care Standards Act
- Compliant with AFILS standards BS7594 and EN60118-4
- Ideal for meeting rooms, lecture theatres, shops, churches, schools, TV lounges and other small to medium sized applications

A typical meeting/seminar room installation (using our AKM1 kit)



WHAT IS AN INDUCTION LOOP SYSTEM?

Audio-frequency induction loop systems (AFILS) work by transmitting amplified sound to hearing aids. Most hearing aids have a 'T' or 'MT' switch which allows them to pick up the electromagnetic signal generated by an induction loop system. The hearing aid converts this signal into sound suited to its user's specific hearing requirements, allowing them to participate more fully in general conversation, ordering goods or services, etc. The PDA200E can generate a field of up to 120m² in a square room (11m x 11m) or 250m² in a rectangular room (10m x 25m) and is therefore ideal for the vast majority of small to medium sized applications.

'AK RANGE' KIT VARIANTS



For ease of purchase, specification and installation, the PDA200E is available in a variety of cost-effective 'AK RANGE' kit formats. It should

be noted that loop cable is not included (we recommend 1mm² cable (i.e one core of 1mm² T&E) which is available from most electrical distributors with an order code of 6242Y). For under carpet loops, use our 1mm² copper foil tape, part no. FLAT2005. This comes in 100m lengths and can be fixed to the floor using synthetic fibre adhesive tape (part no. TAPE).

Kits include:-

AKM1 Meeting/seminar room kit

Includes PDA200E; APM omni-directional mic. on a plate; loop fitted sticker.

AKR1 Waiting room kit

Includes PDA200E; APL outreach plate (audio input for paging system); loop fitted sticker.

AKT1 TV / music lounge kit

Includes PDA200E; AMH handheld mic.; APS scart lead; APJ outreach plate; APL outreach plate; loop fitted sticker.

AKL1 Lecture room kit

Includes PDA200E; AMT tie/desk mic.; AML lectern mic.; 2 x APJ outreach plates; loop fitted sticker.

AKU1 Retail unit kit

Includes PDA200E; AML lectern mic.; APJ outreach plate; loop fitted sticker.

AKW1 Place of worship kit 1

Includes PDA200E; AML lectern mic.; APJ outreach plate; APL outreach plate (audio input for CD/tape deck); loop fitted sticker.

AKW2/L Place of worship kit 2 (lavalier radio mic. version)

Includes PDA200E; AMR/L lavalier radio mic (supplied in a separate storage case); APQM outreach plate, 2 x APXM outreach plates (for existing mics.); loop fitted sticker.

AKW2/H Place of worship kit 2 (handheld radio mic. version)

As AKW2/L but with an AMR/H handheld radio mic. instead of a lavalier radio mic.

AKH1/L Health and fitness club kit (lavalier radio mic. version)

Includes PDA200E; AMR/L lavalier radio mic (supplied in a separate storage case); APQM outreach plate, APL outreach plate (for CD/tape deck); loop fitted sticker.

AKH1/H Health and fitness club kit (handheld radio mic. version)

As AKH1/L but with an AMR/H handheld radio mic. instead of a lavalier radio mic.

SYSTEM ANCILLARIES

For system expansion and other applications, the following ancillaries are available from your distributor.

Outreach plates

On basic systems, one microphone and one audio (line level) lead can be connected directly to the PDA200E's internal screw connectors. For systems requiring a greater diversity of inputs, a range of wall, ceiling and desk mountable 'outreach' plates are available covering virtually every conceivable variant of input connector. Up to 10 'outreach' plates (any mix) can be daisy chained to the PDA200E's line level input with cable lengths of up to 100m (max. total network length) easily achievable using standard two pair audio cable such as Belden 8723. The range includes:-



All outreach plates supplied in our AK RANGE kits include 6m of Belden 8723 connection cable as standard. Plates ordered individually do not. Note that 100m reels of Belden 8723 cable are also available (order code APCB/100).



APM Omni-directional plated microphone
for wall/ceiling/desk mounting



APJ 3.5mm mono jack plate,
for connection of AMT, AMH, AML or AMD microphones



APL Line level audio plate
for connection of APS SCART leads/other line level audio feeds



APQM 6.35mm stereo jack plate
for connection of AMR/L and AMR/H radio microphone kits



APQL 6.35mm stereo jack plate
for connection of line level feeds from mixing desks, etc.



APXM XLR mic level plate
for connection of AMP microphones



APXL XLR line level plate
for connection of line level feeds from mixing desks, etc.

API AFILS active indicator light
Illuminates when the outreach network is powered to indicate an induction loop system is installed

Microphones

APM Omni-directional plated microphone



For direct connection to PDA200E or an outreach chain

AML Lectern microphone



For direct connection to PDA200E or APJ outreach plate

AMP Professional microphone



For direct connection to PDA200E or APXM outreach plate

AMD Desktop microphone



For direct connection to PDA200E or APJ outreach plate

AMT Tie/desk microphone



For direct connection to PDA200E or APJ outreach plate

AMH Handheld microphone



For direct connection to PDA200E or APJ outreach plate

AMR/H Handheld Radio microphone



For direct connection to PDA200E or APQM outreach plate

AMR/L Lavalier Radio microphone



For direct connection to PDA200E or APQM outreach plate