



T14-1

Transport hearing loop driver

- Cover a whole bus or coach with a single amplifier
- Unrivalled intelligibility
- Up to 30 year design lifespan with midlife maintenance

Service broadcasts and emergency announcements through bus and coach Public Address (PA) systems are now part of everyday life. Their direct connection to the user's hearing aid means that Hearing Loops are the only assistive listening technology suitable for use on public passenger vehicles.

The T14-1 hearing loop driver from Ampetronic offers performance you can rely on:

- Minimises background noise for hearing aid users
- Remote technical support and network features to control and configure the system
- Metal Loss Correction for strong clear signals
- Low lifetime cost
- Excellent reliability backed by a 5 year warranty



For more information on hearing loop design, meeting regulatory standards or hearing loop installations contact our friendly and knowledgeable team on: +44 (0) 1636 610062 or email: sales@ampetronic.com

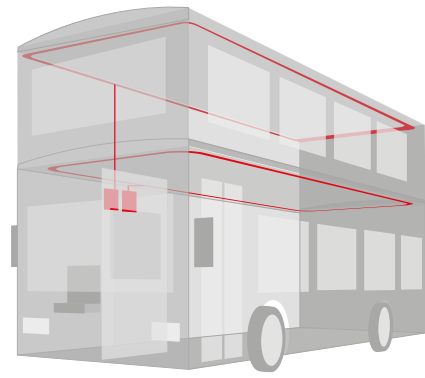
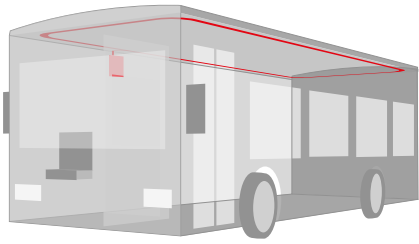
Ampetronic™ T14-1 Transport hearing loop drivers:

- T14-1LB: 24V Wago connectors

Featuring:

- Class D output stage driver for maximum efficiency, unsurpassed in its field
- Less weight than most alternatives in its class
- Transformer isolated inputs
- Industrial Ethernet port
- USB firmware update port

AMPETRONIC



Power & Power Connector	24V DC WAGO 769 series detachable 3-way block
Input 1 and 2	Pin selectable 2V / 30V / 100V balanced isolated line
Input Enables	Isolated control input per channel
Input & Control Connectors	Audio inputs, status and enables through WAGO 769 series detachable blocks
Ethernet control I/O	HTML and Telnet control interface M12 circular Industrial Ethernet (TCP/IP), 10/100M
VOIP Input (option)	SIP/RTP network audio input available through Ethernet connection
Loop Output Drive Current	14A _{RMS} (19.8Apk) up to 60 seconds continuous 1kHz sine wave, peak >21A Cont. pink noise >6.6A _{RMS}
Drive Voltage	>24V _{RMS} (33Vpk) available at maximum output current
Loop Connector	WAGO 769 series detachable 2-way block

Status Output	Isolated relay contact and network options (inc. SNMP) Monitoring of loop resistance and operating status
Freq. Response	100Hz to 6.5kHz ±0.5dB relative to 1kHz at low level.
Automatic Gain Control	The AGC is optimised for speech. Dynamic range >38dB
Metal Loss Correction	Dual slope configurable MLC up to 4dB per octave
Size	Width 258mm (body) / 295mm (with mounting flanges) Depth 221mm, Height 54.5mm
Weight	1.5kg ± 0.2kg
Mounting	Built-in bulkhead/panel mounting flanges. Optional rack mount tray available
Operating temperature	According to EN50155 to OT4 -40°C to +70°C (+85°C for 10 mins at startup)
Compliance	ECE-R10 (24VDC) Vehicles (WAGO connectors only)



Standards compliance to IEC 62489-1

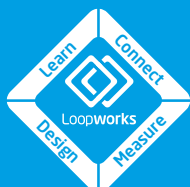
T14 amplifiers are designed to form part of a system which can meet all requirements of international loop performance standard IEC 60118-4, and relevant parts of IEC TR 63079. To fully meet requirements of these standards, correct design, installation, commissioning and maintenance are required.

Ampetronic drivers have CE and UL marks to all relevant safety and EMC standards.



- Installation accessories
- Signage
- Testing and measurement systems
- System design support
- Training and continuous personal development (CPD)
- Loopworks™ design and specification tools

Providing a genuine benefit.



To find out more about assistive listening solutions for transport contact our experts on +44 (0) 1636 610062 or email: sales@ampetronic.com

AMPETRONIC®

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