



LS311T



LS332



LS331



LS312F

Features

The LS300 Series Talkback Loudspeaker Outstations are designed to cover a wide range of applications at modest price. They can be used in a push-to-talk mode with the built-in microphone, or fitted with a plug-in gooseneck microphone for hands-free duplex communications. Alternatively, when required, plugging a headset or handset into the front panel turns the unit into a headset outstation, automatically muting the loudspeaker.

The override function is operated by an ultrasonic control tone generated elsewhere in the system. The LS300 series is designed to provide several functions in override mode as outlined in the features. Override can be used to take control of the system by forcing all loudspeaker stations from talk into listen mode. Emergency announcements can be provided for by turning on outstations which are locally off. Alternatively, loudspeakers could be muted from a central location by presetting the volume to minimum, then activating override.

The table or surface mount box is reversible to allow the loudspeaker unit to face upward or downward when surface mounted. There is an additional user option to mount the connector, or make a cable exit in the rear face of the box. Keyhole slots are provided for wall fixing.

Note: Care must be exercised when using LS300 Series Loudspeaker Station in hands-free duplex applications. The unit deliberately contains no vox switching so as to prevent loss of syllables. While excellent side-tone rejection prevents the unit feeding back to itself, system feedback can occur if several hands-free units are in simultaneous use, or if headsets on the circuit are removed when turned up to a high volume. Use in push-to-talk mode, or with a headset, will prevent feedback problems should they occur.

Versions available:

- LS311F Single circuit flushmount (screw terminal connections)
- LS311T Single circuit table/surface mount (XLR 3 pin connections)
- LS312F Multi-circuit flushmount (screw terminal connections)
- LS312T Multi-circuit table/surface mount (XLR 6 pin connections)
- LS319FB Flushmount steel back box for LS311F and LS312F
Detachable lid. Order LS311F separately.
- LS331 Single circuit rackmount (XLR 3 pin connections)
- LS332 Multi-circuit rackmount (XLR 6 pin connections)

Suffix F for flushmount
Suffix T for table/surfacemount

For use where 2 way loudspeaking communications are required

- Built-in microphone
- Signal light / switch
- Headset socket: mutes loudspeaker when in use
- 3 way overrides function (internally programmed)
 - Set to preset volume (overrides user volume control OR
 - force from TALK to LISTEN at preset volume, OR
 - force from OFF or TALK to LISTEN at preset volume
- XLR 3 pin connectors on single circuit table versions - compatible with microphone extension cables
- Screw terminal plug and socket on flush versions - easy install and service
- Up to 9 circuits on multi - circuit flush mount versions, 4 on table versions

The Tecpro Communication System

Tecpro is a 'two wire' or, as it is sometimes known, 'party-line' or 'ring' system which enables a number of people to take part in the same conversation. Each participant can hear all other participants on the same circuit while being able to talk to them simultaneously, so a full 'duplex' conversation can take place – similar to a telephone system.

The major applications for these systems are in the theatre, conference, live performance and broadcast markets, though new applications are constantly emerging.

A basic Tecpro communication system would comprise a power supply and two or more outstations or belt packs. An outstation may be wall mounted, free-standing or mounted in a rack. It will usually have a built-in loudspeaker and possibly a microphone. Belt packs are intended for personal use and work only with a headset. Outstations and belt packs connect together with two core screened microphone cable which carries system power, audio, and various control signals. Most have a 3-pin XLR input and output and can be simply daisy-chained together. Alternatively interconnection can radiate out from a central, passive splitter. A combination of both methods is often used.

More complex systems can use a master station which has two in-built power supplies and offers two independent communication circuits, A and B, which can be linked if required.

TECHNICAL SPECIFICATION - LS300 SERIES TALBACK LOUDSPEAKER STATIONS

Power requirements: (from system power supply).....	Equivalent to 2 to 5 headset stations dependent upon average sound level
Microphone input.....	To suit 200 to 600 ohm dynamic microphones
Audio input.....	Loudspeaker – 3W max, over 96dB SPL at 1m Headset – to suit 8 ohm to 4k ohm headphones
Comms line.....	Bridging impedance >5k ohm
Dimensions.....	Flush mount – 135 x242mm, min depth 50mm. Weight: 0.9kg Table/surface mount: 148 x245 x85mm. Weight: 1.9kg
Finish.....	Metal enclosure with black enamel finish

OTHER TECPRO PRODUCTS

MS741 MASTER STATION - Combined power supply and 2 circuit station

ME742 MASTER STATION EXTENDER - Combined power supply and 2 circuit extender unit

MS 745 MASTER STATION - Basic combined power supply and 2 circuit station

PS711 3 CIRCUIT POWER SUPPLY

PS713 BATTERY POWER UNIT

BA905 BOOST ADAPTOR

BP111 BELTPACK HEADSET OUTSTATIONS - Single circuit

BP112 and BP113 BELTPACK HEADSET OUTSTATIONS - Dual circuit (switchable)

BP114 and BP115 BELTPACK HEADSET OUTSTATIONS - Dual circuit (monaural)

BP116 and BP117 BELTPACK HEADSET OUTSTATION - Dual circuit (binaural)

HS120 SERIES HEADSET OUTSTATIONS - Fixed headset outstations for permanent installations

LS SERIES PAGING LOUDSPEAKER STATIONS

SL909 XENON STROBE LAMP

CONNECTION ACCESSORIES - Standard cables and special function cables

AD903 AUXILLIARY INPUT and OUTPUT ADAPTER - 2 wire to 4 wire interface

AD913 SIMPLEX RADIO ADAPTER

YL916 HEADSET OUTSTATION 'Y' LEAD

SB901 SPLITTER / ISOLATOR BOX

L1906 LINE ISOLATOR

WALLMOUNT CONNECTOR PLATES

HEADSETS:

DMH320 - Dual muff

SMH310 - Single muff

DMH220 - Dual muff

SMH210 - Single muff

SMH130 - Lightweight single muff with boom

HANDSETS:

HH10 - Telephone handset

HH5 - Fist mic

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