

SUBSCRIBER LINE BOARD

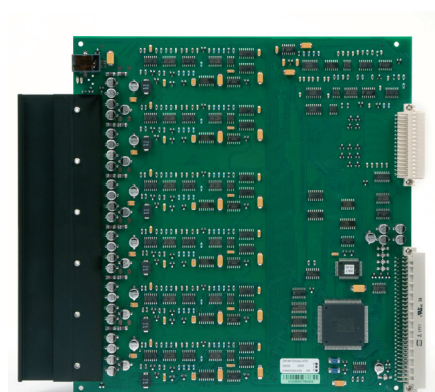
ASLT



when communication is critical

FEATURES

- Can be used with InterGuard, TouchLine and Pamex stations
- Each board provides 6 subscriber connections
- 6 remote control outputs (software configurable activation)
- 1 voice-switched conversation per board
- When using handset or full duplex conference unit at both ends, the system is non-blocking within each module.
- All subscriber connections suitable for display stations
- Line monitoring
- Software-controlled output volume control
- Hot plug-in/plug-out
- Red/green/amber LED indicates system status



DESCRIPTION

This board contains circuitry for 6 subscriber connections and one measurement channel for voice switching control. It plugs into any position 1 - 23.

The board provides 6 remote control outputs that are software-controlled. The line monitoring reports errors on all subscriber lines.

The board can be plugged in/out while the exchange is running. A hot plug-in cable is needed for this purpose. The cable is included in the cable set for the exchange.

A four-wire interface provides compatibility with existing standard station range from STENTOFON with the exception of TouchLine display stations produced earlier than March 1995. These stations are no longer compatible due to reduction on the display signal output from the exchange.

TouchLine display stations produced after March 1995 are labeled version 1.1 and are fully compatible with the AlphaCom exchange.

All signals for external equipment is run to a connection board mounted on the connection field of the exchange.

SPECIFICATIONS

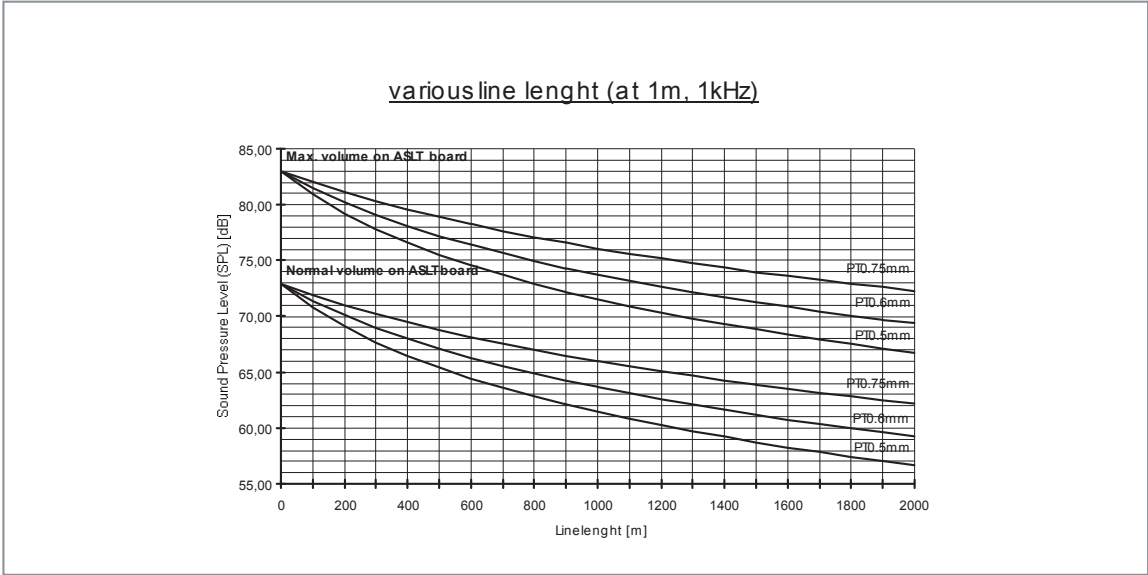
Order Number	1009101010
Operation Voltage	5, 15, 24, 32 V DC
Dimensions (W x H x D)	10 mm x 230 mm x 263 mm, 0.39" x 8.97" x 10.26" Double Extended Europe Format

ORDER NUMBER	DESCRIPTION	SHIP WEIGHT
1009101010	SubscriberLineBoard ASLT	0.5 kg/ .1 lb
Supplementary equipment:		
1009930200	SubscriberConnectionBoard, Krone terminals (for mounting on distribution field)	0.75 kg/0.2 lb.
1009501011	1.5 m SubscriberConnectionCable with FilterBoard (flat cable)	0.2 kg / 0.4 lb.
1009501021	5 m SubscriberConnectionCable with FilterBoard (round cable)	0.65 kg / 1.4 lb.
1009501023	10 m SubscriberConnectionCable with FilterBoard (round cable)	1.2 kg / 2.6 lb.
100991020	Distribution Field for SubscriberConnectionBoards ASLT	

SUBSCRIBER LINE BOARD ASLT

S/N ratio (conversation)	60 dB
Minimum impedance loudspeaker	20 ohm
Input impedance (c-d)	600 ohm
Frequency range: Conversation Program distr.	200 - 10,000 Hz 200 - 15,000 Hz
Crosstalk at 1 kHz	< -80 dB
Capacity for each ASLT board	6 subscribers
Duplex-controlled conversations	1 voice-switched conversation per board
Remote control outputs	5V 2.2 Kohm
Cable type	2-pair twisted cable per station
Max. cable length to station	2 km (0.6mm2 - 22 AWG), 1.4 km (0.5 mm2 - 24 AWG)
Distortion	< 2%
Output powe	3-4 W at 20 ohm, 0.6 W at 20 ohm, 1 W at 63 ohm
Indicator	LED (red/green/amber)

SOUND PRESSURE LEVEL



Installation Cable type & distance

2-pair twisted cable for each station. Multi-pair cable can be used, but must be twisted in pairs of two.
Max. loop resistance 240 ohms.

Wire Diameter		Maximum Distance	
0,5 mm	24 AWG	1,4 km	4590 feet
0,6 mm	22 AWG	2,0 km	6560 feet
0,8 mm	20 AWG	3,4 km	11 150 feet
0,9 mm	18 AWG	4,0 km	13 120 feet

