



Alphaconnect LV60 Integrated Public Address Amplifier

The LV60 amplifier can be integrated in the Alphaconnect 48 / 128 telephone exchange, providing max. 60W power for a 100V single speaker loop.

Public Address announcements can be made by any authorized telephone or by an optional gooseneck microphone panel.

Description

The LV60 amplifier is integrated into the Alphaconnect telephone exchange, creating an integrated Automatic Telephone and Public Address system.

The LV60 requires 3 available slots in the Alphaconnect, thus limiting the number of internal lines to 24 (Alphaconnect 48) or 104 (Alphaconnect 128).

For vessels that require more than 60W PA power or that require an A/B loop system 2 LV60's can be combined.

The following speakers can be used with the LV60:

Alphatron Horn Speaker
AH10T/AH15T/AH30T
Horn speaker IP66
100V 2.5W-30W



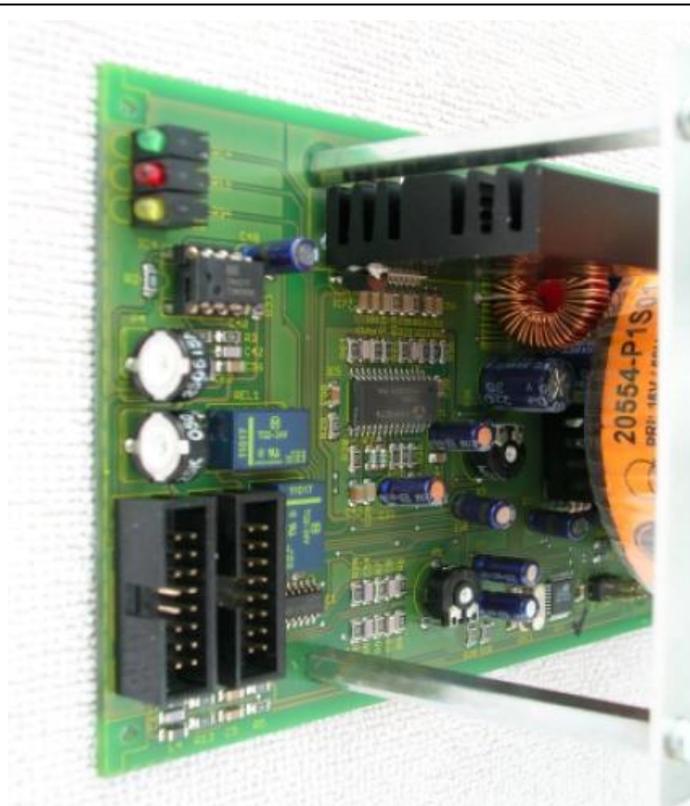
Alphatron Ceiling Speaker
ACS166T with fire dome
and ceramic terminal
100V 1.25W-10W



Alphatron Wall Speaker
AW10T with ceramic
terminal and thermal fuse
100V 1.25W-10W



Alphatron Projector Speaker
ADP10T Bi-directional
with ceramic terminal
and thermal fuse
100V 1.25W-10W



ALPHATRON

Alphatron Marine Communications

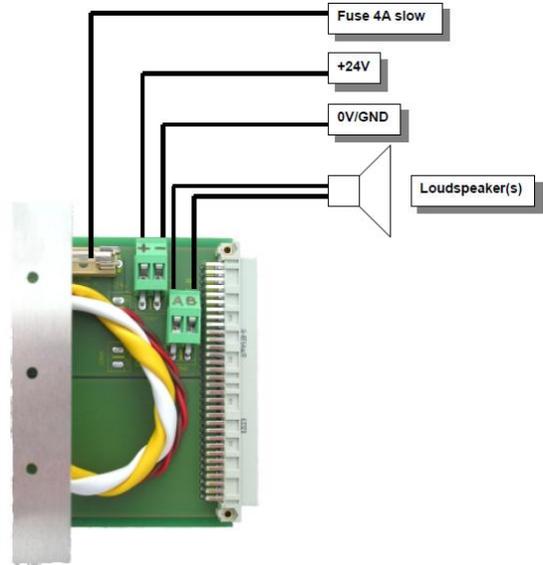
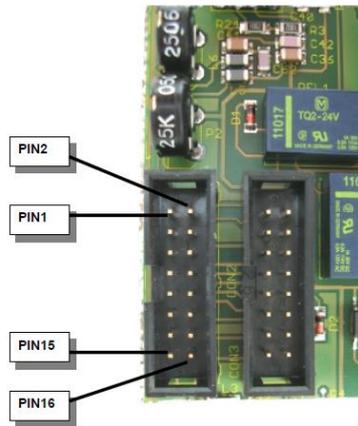
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Alphaconnect LV60 Integrated Public Address Amplifier

Connections



Pinning of the 16-pin male header

Pin		Pin	
1	NF- from Microphone	2	NF+ from Microphone
3	GND	4	GND
5	100V-Relay	6	Make contact "in use Relay"
7	Middle contact "in use Relay"	8	Break contact "in use Relay"
9	GND	10	Microphone Relay
11	100V-Relay	12	n.c.
13	GND	14	GND
15	NF- Line input (Telephone)	16	NF+ Line input (Telephone)

Technical data

General		
		remarks
Working temperature range	0 bis 50 °C	
Earth short circuit	not available	
Connectors	16-pin male header	2, both paralleled
Connectors supply and loudspeaker	2-pole Clamp	2, Phoenix Type MKDSF3/2-5,08
Fuse	4 A slow	Fuse 5x20 mm

Operation		
		remarks
Supply voltage typ.	24V	DC
Admissible supply voltage range	20 bis 26 V	DC
Power consumption (full load)	75 W	Approx. 3,2A @ 24 V
Power consumption (standby)	2,5 W	Ca. 0,1A @ 24 V
Efficiency typ.	≥80%	full load

LF-Inputs		
		remarks
Input resistance	≈ 40 kΩ	
Line input level	0 dBu (=0,775V)	for rated power
Microphone input level	≈ 6mV	for rated power

Frequency range		
		remarks
Frequency range -3 dB	0,15 bis 18 kHz	

Audio Output		
		remarks
Rated power	60 W	at 100 V, Z=166 Ohm
THD	≤ 0,5 %	measured at 75% of the rated power

Mechanic		
		remarks
Heights	70 mm	
Width	100 mm	
Length	220 mm	
Weight LV 60SHIP	1,2 kg	