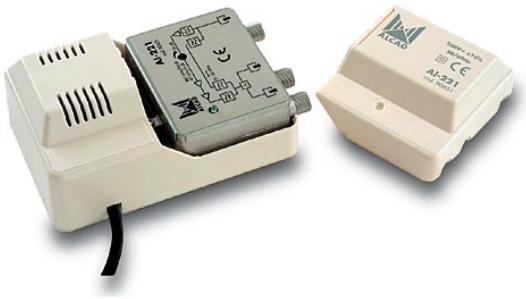
904 BROADBAND AMPLIFIERS

INDOOR AMPL 2 OUTPUTS CATV (RP 30MHZ)



Code : **9040051**

Model : **AI-221**

Description
Broadband apartment amplifier for terrestrial TV, with built-in power supply unit. It amplifies the VHF, UHF and interband bands continuously and includes a return path. It has a gain control and two outputs for the distribution to two or more televisions.

Applications
Designed to enlarge analogue and digital terrestrial TV installations within a house. Especially appropriate as an apartment amplifier in cable TV networks or in community installations where the interband bands are used. It amplifies the TV signal so a new distribution can be made from the signal of one TV outlet or from the coaxial cable entering the house.

Characteristics
Made from ABS plastic, with an internal zamak chassis which gives maximum shielding. The power supply unit is insulated from the rest of the high frequency circuit. Fixed to the wall by means of the supplied screws and wall-plugs. F type connectors.

CODE		9040051			9040052		
MODEL		AI-221			AI-223		
Outputs		2					
Frequency range	Band	RP	VHF/UHF		RP	VHF/UHF	
	MHz	0-30	47-862		0-65	86-862	
Gain	dB±TOL	-5.5 ±0.5	25 ±1.5		-4.5 ±0.5	25 ±1.5	
Flatness response	dB	±1.2	±1.5		±0.5	±1.5	
Gain adjust	MHz	-	47	862	-	86	862
	dB	-	20	10	-	15	10
Output level	dBµV	105 DIN 45004B 102 (IMD_3 -60 dB) 90 (IMD_2 -60 dB) 89 (CTB -60 dB) 84 (CTB -60 dB) 90 (CTB -60 dB)					
Return loss	dB	≥10					
Noise figure	dB	≤6					
Mains voltage	V~	230 ±10%[1] 50/60 Hz					
	W	5.5					
Operating temperature	°C	-10..+65					
Protection index		IP 20					
Units per packing		1					
Packing weight	Kg	0.4					
Packing dimensions	mm	115 x 102 x 45					