

**Description**

Broadband apartment amplifier for terrestrial TV, with built-in power supply unit. It amplifies the VHF and UHF bands separately and has an independent gain control for each band. It incorporates a filter to reject the LTE band. It includes two symmetrical outputs to make the distribution to two or more televisions.

**Applications**

Designed to enlarge analogue and digital terrestrial TV installations within an apartment or house. It amplifies the TV signal so a distribution with several new outlets can be made from the signal of one TV outlet or from the coaxial cable entering the house. The levels are easily adjusted by means of the two gain controls. The amplifier prevents possible interferences generated by devices operating in the LTE band.

**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, complying with the safety regulations for the installer and the user. Fixed to the wall by means of the supplied screws and wall-plugs. F type connectors.

CODE	9040125		
MODEL	AI-240		
Outputs	2		
Frequency range	Band	VHF	UHF
	MHz	40-318	470-790
Gain	dB $\pm$ TOL	14 $\pm$ 1.0	24 $\pm$ 2.0
Flatness response	dB	$\pm$ 1.0	$\pm$ 1.2
Gain adjust	dB	16	12
Output Level	dB $\mu$ V	102 DIN45004B	
		99 (IMD <sub>3</sub> - 60dB)	
		88 (IMD <sub>2</sub> - 60dB)	
		86 (CTB - 60dB)	
		82 (CSO - 60dB)	
		89 (XMOD - 60dB)	
Return loss	dB	10	
Noise figure	dB	<4.5	<3.0
LTE band reject	dB	35	
Mains voltage	V~	230 $\pm$ 10% 50/60Hz	
	VA	7	
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	