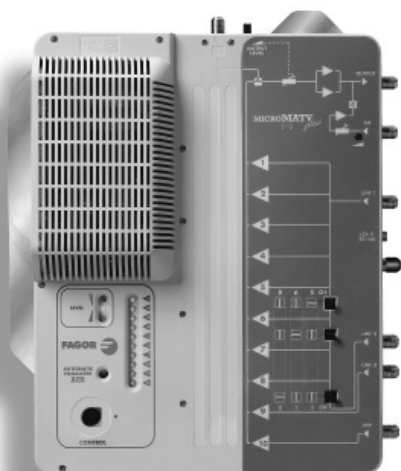


Programmable Selective Amplifier

MICROMATV[®] plus Series



DESCRIPTION

Universal amplification system capable of independently process up to 10 TV channels (UHF and VHF), as well as the FM signal.

MicroMATV plus includes the Automatic Equalization System "AES", an exclusive function that simplifies the setting-up, since it automatically adjusts the input signals, guaranteeing a perfect output signal.

MicroMATV plus can also be manually adjusted.

Easy to programme through an external Control Unit, UCF 100. All functions are automatically memorised and controlled by a FAGOR Microprocessor.

The unit is designed to receive signals coming from up to 5 different antennas. The system can be configured according to the number of channels picked up by each antenna.

Includes a visual level indicator. The amplifier has a 24V output and an auxiliary TV signal input.



Supply voltage	230 Vac - 15 + 10 %
Current drawn	21 W
Operating temperature range	0 ÷ 50° C

TECHNICAL SPECIFICATIONS

MODEL		MICROMATV [®] plus 1.9			MICROMATV [®] plus 2.8			MICROMATV [®] plus 5.5				
Reference		35465			35485			35445				
Number of inputs		BI / BIII 1	UHF 3	FM 1	BI / BIII 2	UHF 3	FM 1	BI/BIII 2	BIII 1	UHF 2	FM 1	
Number of channels		1	9	FM	2	8	FM	2	3	5	FM	
Gain		dB		43	53	35	43	53	35	43	53	35
Independent regulation per channel		dB		25 / 20	20	—	25 / 20	20	—	25 / 20	20	—
General regulation		dB		20		25	20		25	20		25
Selectivity (± 20 MHz)		dB		25		—	25		—	25		—
Noise figure (typ.)		dB		10	5,5	6	10	5,5	6	10	5,5	6
Max. input level		dBμV		95	85	101	95	85	101	95	85	101
Min input level for S/N >45 dB (opt. picture quality)		BI BIII UHF	dBμV		60 57 53							
Operating input level (automatic equalization AES)		BI BIII UHF	dBμV		70 ÷ 95 70 ÷ 90 60 ÷ 80							
TV auxiliary input level		dBμV		90								
Auxiliary input frequency range		MHz		47 ÷ 68; 130 ÷ 862								
Auxiliary input gain		dB		17								
Output level DIN 45004B (-60 dB)*		dBμV		116								
IM2 (-60 dB)		dBμV		116								
Output level: 10 channels		dBμV		109								
Isolation between inputs		UHF - UHF UHF - VHF /FM	dB		>30 >60							
24 Vdc output		mA		30								
Packing dimensions		mm		345 x 280 x 87								
Weight		Kg		3								

* FM: DIN 45004B (-30 dB).