



Outdoor multiband amplifier 12÷15V broadband inputs Fusion Pro FPE series

**art. 24-775/40-42
FPE20/30 V-4-5-U**



Outdoor multiband amplifier with broadband inputs, indicated medium size TV systems.

This amplifier is designed to optimize the amplification of DTT signals in the range E05÷E12+E21÷E48, attenuating the 700 MHz band without preventing the proper functioning of the channel E48.

Ideal for different system solutions thanks to a two-step selector that allows to set the maximum gain on the UHF band at 20 or 30 dB.

The VHF band, instead, has a maximum gain of 30 dB.

The four inputs are so distributed:

- 1 VHF band input;
- 1 band 4 input;
- 1 band 5 input;
- 1 UHF band input.

Each input is equipped with a trimmer for the gain adjustment (VHF: 0÷20 dB; UHF: 0÷15 dB) and a switch to enable remote power supply.

Band 4 includes channels from E21 to E40 included (470÷630 MHz).

Band 5 includes channels from E42 to E48 included (638÷694 MHz).

Fully shielded die-casting metal housing with screw F-type connectors and tilting mechanism for an easy cable connection. Sturdy waterproof case in ABS plastic with housing for the insertion of cables. Fixing accessory suitable for masts up to Ø 60 mm included.

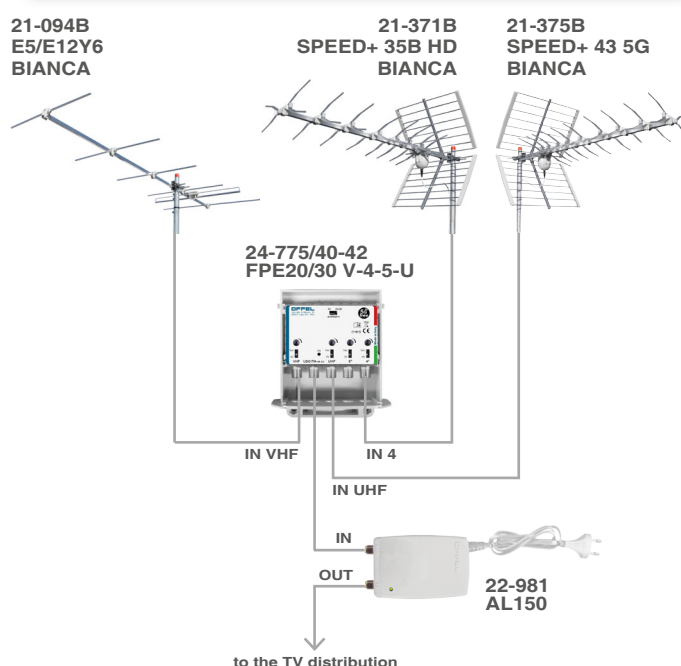
Characteristics

- 20 or 30 dB UHF band max gain selector
- High output level
- Separate amplification for VHF and UHF bands
- Components with a high quality standard

Code	24-775/40-42	
Item	FPE20/30 V-4-5-U	
No. of inputs	4	
No. of adjustments	4	
VHF band noise figure	dB	6
UHF band noise figure	dB	7
VHF band max output level*	dBμV	120
UHF band max output level*	dBμV	125
UHF BAND GAIN SELECTOR	20 dB	30 dB
VHF input max gain	dB ±2	30
Input 4 max gain	dB ±2	21 31
Input 5 max gain	dB ±2	21 31
UHF input max gain	dB ±2	21 31
Absorbed current	mA	190
Supply voltage	Vdc	12÷15
Dimensions (LxWxH)	mm	132x55x107
Packaging dimensions (LxWxH)	mm	115x55x135
Packaging weight	Kg	0,345
Fit temperature	°C	0 ÷ +55
Compliant to EU directives	2014/53/UE, 2011/65/UE	

* Maximum output level measured with the method IM3 -35dBc 2 tones.
Technical data refer to a temperature of 25 °C

Example of application



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