



## 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	
<b>UHF BAND GAIN SELECTOR</b>	<b>20 dB</b>	<b>30 dB</b>	
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	200	
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

