



# ALCAD

AMPLIFICADOR DE DISTRIBUCIÓN DOBLE TV/SAT-TV/SAT  
DOUBLE TV/SAT-TV/SAT DISTRIBUTION AMPLIFIER  
AMPLIFICATEUR DE DISTRIBUTION DOUBLE TV/SAT-TV/SAT



**SERIE 904 SERIES**

CÓDIGO-CODE-CODE		9040065		
MODELO-MODEL-MODELE		DA-520		
Entradas / Salidas Inputs / Outputs Entrées / Sorties		2 / 2		
Rango de frecuencia Frequency range Gamme de frequences	Band	TV	SAT1	SAT2
	MHz	47 - 862	950 - 2400	950 - 2400
Ganancia Gain Gain	dB	34 ±2,0	42 ±2,0	42 ±2,0
	dB	15	15	15
Regulación de ganancia Gain adjust Réglage de gain	dB	15	15	15
	dB	3	6	6
Margen de equalización Adjustable equalization range Plage de réglage de pente	dB	18	7 Switchable	7 Switchable
	dB $\mu$ V	2x 118 (DIN 45004B) 2x 115 (IMD <sub>3</sub> -60 dB) 2x 108 (IMD <sub>2</sub> -60 dB)	120 (IMD <sub>3</sub> -35 dB) 110 (IMD <sub>2</sub> -35 dB)	120 (IMD <sub>3</sub> -35 dB) 110 (IMD <sub>2</sub> -35 dB)
Nivel de salida Output level Niveau de sortie	dB $\mu$ V	2x 102 (CTB -60dB) 2x 103 (CSO -60dB) 2x 102 (XMOD -60dB)	-	-
	dB	≥ 16 (-1,5 dB/oct) ≥ 12	≥ 14	≥ 14
Pérdidas de retorno E/S Return loss I/O Pertes de retour E/S	dB	≥ 16 (-1,5 dB/oct) ≥ 12	≥ 14	≥ 14
	dB	7 ±1,0	10 ±2,0	10 ±2,0
Fusible Fuse Fusible	V~	250		
	A	1,5		
Tensión de red Mains voltage Tension du secteur	V~	230 ±15% 50/60 Hz		
	VA	36		

DIN 45004B: 3 unequal carriers, IMD<sub>3</sub> at 60 dB  
IMD<sub>3</sub> -60 dB: 2 equal carriers, EN 50083-3  
IMD<sub>3</sub> -35 dB: 2 equal carriers, EN 50083-3  
IMD<sub>2</sub> -60 dB: 2 equal carriers, EN 50083-3

IMD<sub>2</sub> -35 dB: 2 equal carriers, EN 50083-3  
CTB -60 dB: 42 equal carriers, EN 50083-3  
CSO -60 dB: 42 equal carriers, EN 50083-3  
XMOD -60 dB: 42 equal carriers, EN 50083-3

**CÓDIGO-CODE-CODE****9040065****MODELO-MODEL-MODELE****DA-520**

Temperatura en proximidad del equipo  
 Operating temperature close to equipment  
 Température en proximité de l'équipement

°C

-10 .. +65

Temperatura ambiente con/sin ventilador  
 Room temperature with/without fan  
 Température ambiante avec ou sans ventilateur

°C

-10 .. +55/+45

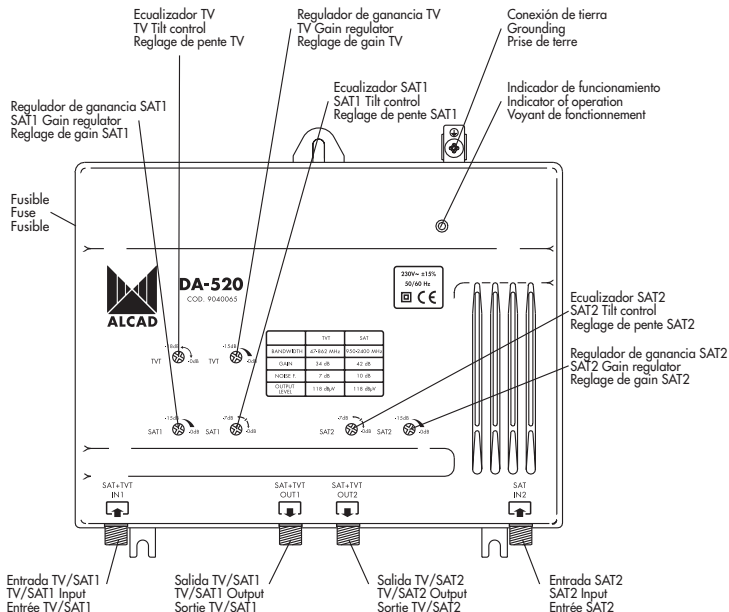
Índice de protección  
 Protection index  
 Indice de protection

IP 50D

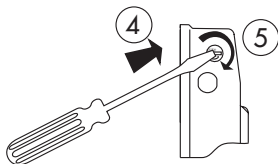
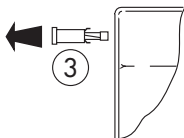
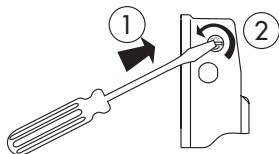
## AMPLIFICADOR DA-520

### AMPLIFIER DA-520

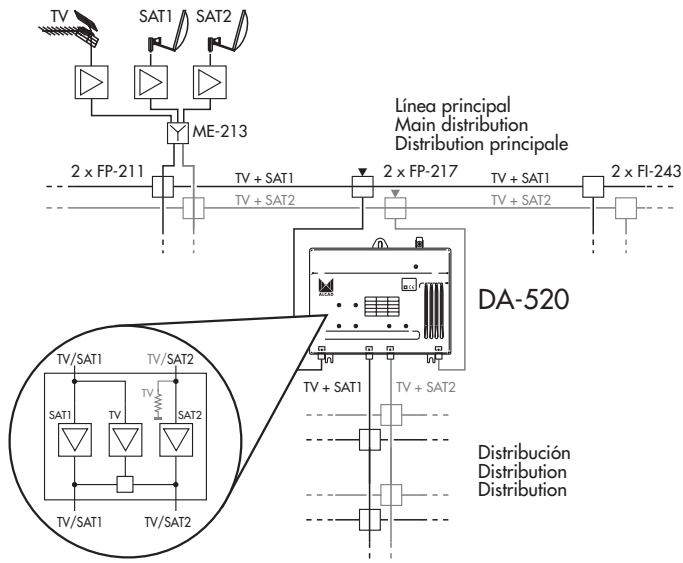
### AMPLIFICATEUR DA-520



**SUSTITUCIÓN DEL FUSIBLE**  
**FUSE REPLACEMENT**  
**REPLACEMENT DU FUSIBLE**

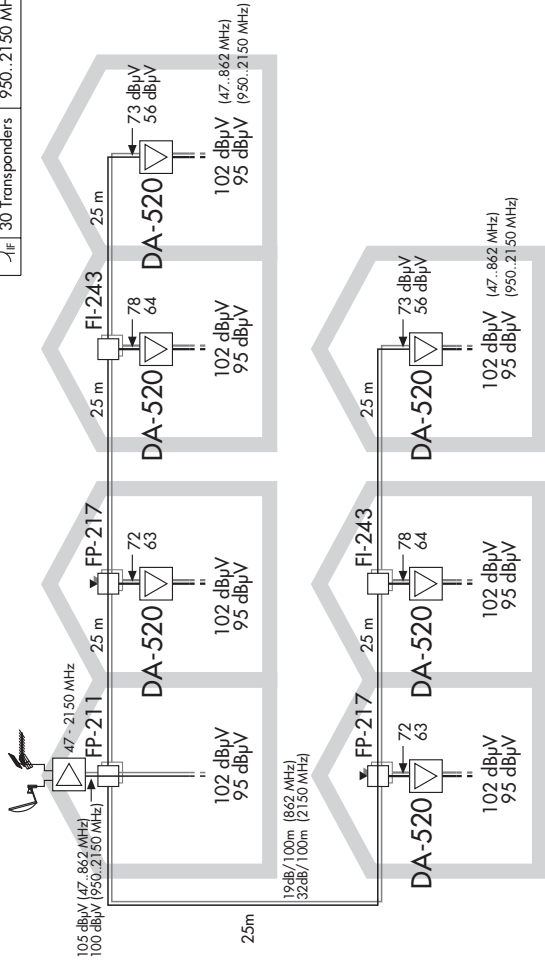


**CONEXIÓN DEL AMPLIFICADOR**  
**AMPLIFIER CONNECTION**  
**CONNEXION DE L'AMPLIFICATEUR**



ESQUEMAS TÍPICOS  
CONNECTION DIAGRAMS  
SCHEMAS DE CONNEXION

⌚	10 Channels	47..862 MHz
⌚	20 Channels	47..862 MHz
⌚	30 Transponders	950..2150 MHz





# DECLARATION OF CONFORMITY

according to EN ISO/IEC 17050-1:2004

**Manufacturer's Name:** ALCAD, S.A.  
**Manufacturer's Address:** Pol. Ind. Arreche-Ugalde, 1  
Apdo. 455  
**20305 IRUN** (Guipúzcoa)  
**SPAIN**

declares that the product

**Product Name:** 904 Series: AMPLIFIERS

**Model Number(s):** DA-520

**Product Option(s):** INCLUDING ALL OPTIONS

is in conformity with:

Safety: EN 50083-1:1993

EMC: EN 50083-2:2001

EN 61000-6-1:2001

EN 61000-4-2:1995 ESD 15KV AD, 8KV CD.

EN 61000-4-4:1995 EFT 4KV-2,5KHz Sig. Lines, 4KV-2,5KHz Power Lines.

EN 61000-4-5:1995 CWG 1KV Power Lines.

EN 61000-4-11:1994 Dips and Variation.

Technical Features : EN50083-3:2002

## Supplementary Information:

The product herewith complies with the requirements of the Low Voltage Directive 73/23/ECC and the EMC Directive 89/336/EEC and their relevant amendments, gathered under the directives 93/68/EEC.

Note: to comply with these directives, do not use the products without covers and operate the system as specified.



Irún,

15-07-05

Date

Anton Galarza / General Manager

Especificaciones sujetas a modificación sin previo aviso  
Specifications subject to modifications without prior notice  
Les spécifications sont soumises à de possible modifications sans avis préalable

Especificações sujeitas a modificação sem aviso prévio  
Die Spezifikationen können ohne vorherigen Bescheid geändert werden



**ALCAD, S.A.**  
Tel. 943 63 96 60  
Fax 943 63 92 66  
Int. Tel. +34 - 943 63 96 60  
info@alcad.net  
Apdo. 455 - Pol. Ind. Arreche-Ugalde, 1  
**20305 IRUN** - Spain

[www.alcad.net](http://www.alcad.net)

**FRANCE** - Hendaye  
Tel. 00 34 - 943 63 96 60

**GERMANY** - Munich  
Tel. 089 55 26 48

**CZECH REPUBLIC** - Ostrovačice  
Tel. 546 427 063

**UNITED ARAB EMIRATES** - Dubai  
Tel. 971 4 887 19 50

**POLAND** - Cieszyn  
Tel. 033 851 0821



ISO 9001

