



- ▶ AMPLIFICADORES MULTIBANDA
- ▶ MULTIBAND AMPLIFIERS
- ▶ AMPLIFICATEURS MULTIBANDE
- ▶ AMPLIFICADORES MULTIBANDA
- ▶ MEHRBEREICHsverstärker



SERIE/RANGE 904

CARACTERISTICAS PRINCIPALES**MAIN FEATURES****PRINCIPALES CARACTERISTIQUES****CARACTERISTICAS PRINCIPALIS****WESENTLICHE KENNZEICHEN**

CODIGO-CODE-CODE-CODIGO-CODE		9040011	
TIPO-TYPE-TYPE-TIPO-TYP		CA-311	
SISTEMA DE TV TV SYSTEM SYSTEME DE TV SISTEMA DE TV TV SYSTEM		AM TV DVB-T	
ENTRADAS/SALIDAS INPUTS/OUTPUTS ENTREES/SORTIES ENTRADAS/SAIDAS EINGANGE/AUSGANGE		2 / 2	
RANGO DE FRECUENCIAS FREQUENCY RANGE GAMME DE FREQUENCE RANGO DE FRECUENCIAS FREQUENZBEREICH	Band	VHF	UHF
	MHz	40 - 260	470 - 862
GANANCIA GAIN GAIN GANHO VERSTARKUNG	dB ± TOL	33 ± 1,0	45 ± 1,0
REGULACION DE GANANCIA ADJUSTABLE GAIN REGLAGE DU GAIN REGULAÇÃO DO GANHO REGELBARER VERSTARKUNG	dB	20	16
NIVEL DE SALIDA OUTPUT LEVEL NIVEAU DE SORTIE NIVEL DE SAIDA AUSGANGSPEGEL	dB _{μV}	2x 110 DIN 45004B 2x 107 (IMD ₃ -66 dB) 2x 100 (IMD ₂ -60 dB)	
DESACOPLO ISOLATION DECOUPLAGE ISOLAMENTO ABSCHIRMUNG	dB	≥10	
TENSION DE SALIDA OUTPUT VOLTAGE TENSION DE SORTIE TENSÃO DE SAIDA AUSGANGSSPANNUNG	V ₋₋₋	-	24
	mA	-	50
FIGURA DE RUIDO NOISE FIGURE FACTEUR DE BRUIT FIGURA DE RUIDO RAUSCHMAß	dB	4 ± 1,5	3 ± 1,0

DIN 45004B: 3 unequal carriers, IMD₃ at 60 dBIMD₃ -66 dB: 3 unequal carriers, EN 50083-5IMD₂ -60 dB: 2 equal carriers, EN 50083-5

CARACTERISTICAS PRINCIPALES**MAIN FEATURES****PRINCIPALES CARACTERISTIQUES****CARACTERISTICAS PRINCIPAIS****WESENTLICHE KENNZEICHEN**

CODIGO-CODE-CODE-CODIGO-CODE		9040011
TIPO-TYPE-TYPE-TIPO-TYP		CA-311
TENSION DE RED MAINS VOLTAGE TENSION DU SECTEUR TENSÃO DE REDE NETZSPANNUNG	V~	230±10% ⁽¹⁾ 50/60 Hz
	VA	7
TEMPERATURA DE FUNCIONAMIENTO OPERATING TEMPERATURE TEMPERATURE DE FONCTIONNEMENT TEMPERATURA DE FUNCIONAMENTO BETRIEBSTEMPERATUR	° C	-10..+65
INDICE DE PROTECCION PROTECTION INDEX INDICE DE PROTECTION INDICE DE PROTECÇÃO SCHUTZKLASSE		IP 20

(1) Bajo pedido 125 o 240 V~

(1) Upon request 125 or 240 V~

(1) Sur demande 125 ou 240 V~

(1) Sob pedido 125 ou 240 V~

(1) Nach Anfrage Auswahl zwischen 125 oder 240 Wechselspannung möglich

- ▶ Se debe cargar la salida no utilizada con una carga RS-275 (COD. 9120011).
- ▶ The unused output should be loaded with an RS-275 (COD. 9120011) load.
- ▶ La sortie non utilisée doit être chargée avec une charge RS-275 (COD. 9120011).
- ▶ Deve-se carregar a saída não utilizada com uma carga RS-275 (COD. 9120011).
- ▶ Man soll den nicht genutzten Ausgang mit einer Last RS-275 schützen (COD. 9120011).

- ▶ REDUCCION DEL NIVEL DE SALIDA
- ▶ REDUCTION OF THE OUTPUT LEVEL
- ▶ REDUCTION DU NIVEAU DE SORTIE
- ▶ REDUÇÃO DO NIVEL DE SAIDA
- ▶ MINDERUNG DER AUSGANGSPEGEL

NIVEL DE SALIDA / OUTPUT LEVEL / NIVEAU DE SORTIE / NIVEL DE SAIDA / AUSGANGSPEGEL

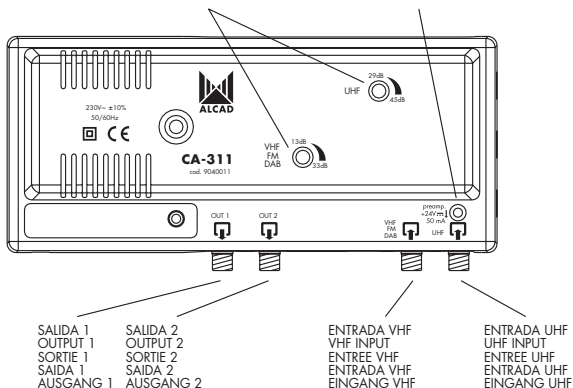
CANALES CHANNELS CANAUX CANALS KANALE		2	3	4	5	6	7	8	9	10	15	20
NIVEL MAXIMO MAXIMUN LEVEL NIVEAU MAXIMUM NIVEL MAXIMO MAXIMAPEGEL	dB μ V	110	108	106	105	105	104	104	103	103	100	100

- ▶ AMPLIFICADOR CA-311
- ▶ AMPLIFIER CA-311
- ▶ AMPLIFICATEUR CA-311
- ▶ AMPLIFICADOR CA-311
- ▶ VERSTÄRKER CA-311

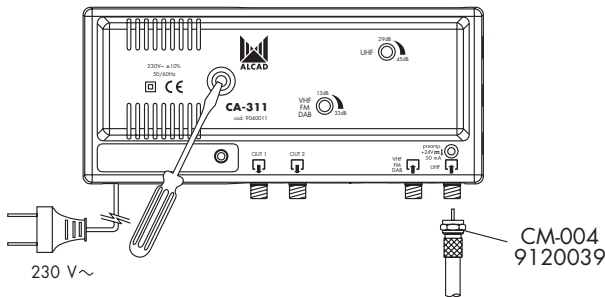
DIN 45004B

REGULADOR DE GANANCIA
GAIN REGULATOR
REGLAGE DE GAIN
REGULADOR DE GANHO
VERSTÄRKUNGSGRAD REGLER

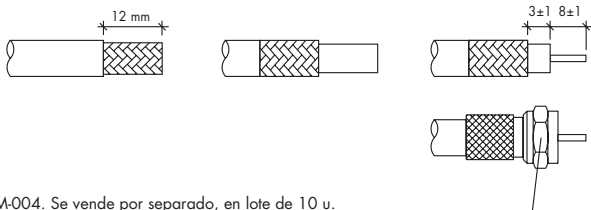
INDICADOR DE ALIMENTACION DE PREAMPLIFICADORES
PREAMPLIFIER SUPPLY INDICATOR
VOYANTS DE PASSAGE D'ALIMENTATION DES PREAMPLIFICATEURS
INDICADOR DE ALIMENTAÇÃO DOS PRE-AMPLIFICADORES
STROMVERSORGUNGSANZEIGE FÜR VORVERSTÄRKER



- ▶ COMO FIJAR EL AMPLIFICADOR
- ▶ HOW TO FIX THE AMPLIFIER
- ▶ COMMENT FIXER L'AMPLIFICATEUR
- ▶ COMO FIXAR O AMPLIFICADOR
- ▶ WIE WIRD DER VERSTÄKER BEFESTIGT



- ▶ COMO PREPARAR LOS CONECTORES F (CM-004)
- ▶ HOW TO PREPARE THE F CONNECTORS (CM-004)
- ▶ COMMENT PREPARER LES CONNECTEURS F (CM-004)
- ▶ COMO PREPARAR OS CONECTORES F (CM-004)
- ▶ KABEL VORBEREITUNG FÜR F-STECKER (CM-004)



CM-004. Se vende por separado, en lote de 10 u.

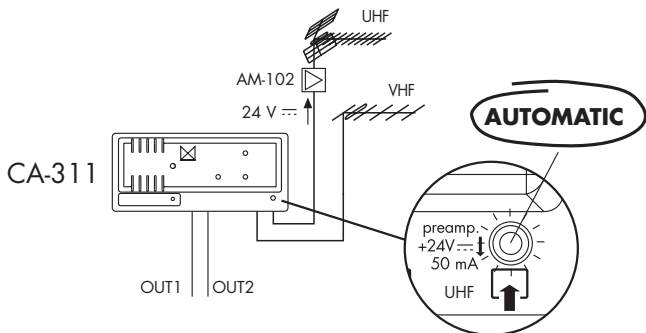
CM-004. Are sold separately in a 10 units/pack

CM-004. A vendre séparément par lots de 10 u.

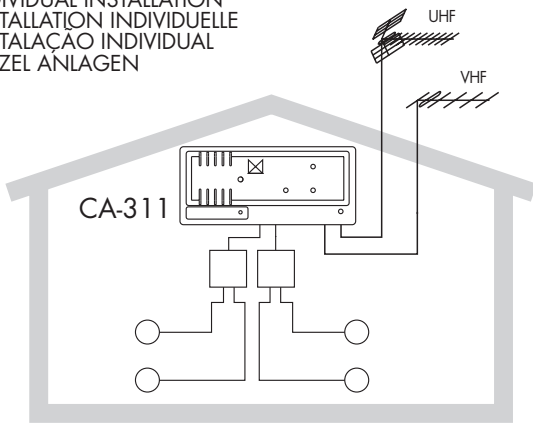
CM-004. Vende-se separadamente em lotes de 10 u.

CM-004. F-Stecker nicht im Lieferumfang enthalten bitte separat bestellen im 10 st. Pack

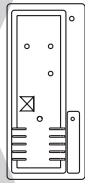
- ▶ COMO ALIMENTAR UN PREAMPLIFICADOR
- ▶ HOW TO FEED A PREAMPLIFIER
- ▶ COMMENT ALIMENTER UN PREAMPLIFICATEUR
- ▶ COMO ALIMENTAR UM PRE-AMPLIFICADOR
- ▶ WIE MAN EINEN VORVERSTÄRKER EINSPEIST



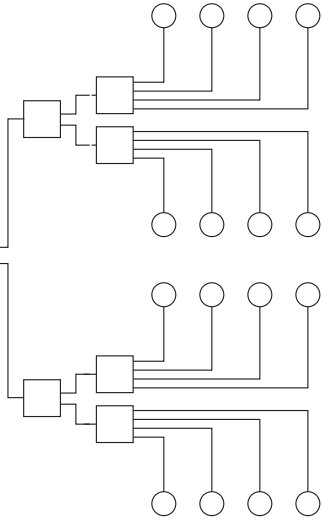
- ▶ INSTALACION INDIVIDUAL
- ▶ INDIVIDUAL INSTALLATION
- ▶ INSTALLATION INDIVIDUELLE
- ▶ INSTALAÇÃO INDIVIDUAL
- ▶ EINZEL ANLAGEN



- ▲ INSTALACION COLECTIVA
- ▲ MATV COLLECTIVE INSTALLATIONS
- ▲ INSTALLATION COLECTIVE MATV
- ▲ INSTALACO COLECTIVA
- ▲ KABELNETZ INSTALLATIONEN



CA-311





DECLARATION OF CONFORMITY

according to EN 45014

Manufacturer's Name: ALCAD, S.A.
Manufacturer's Address: Polígono Industrial de Ventas
C/Gabiria, 15 - Apdo. 455
20305 IRUN (Guipúzcoa)
SPAIN

declares that the product

Product Name: 904 Series: AMPLIFIERS
Model Number(s): CA-311

Product Option(s): INCLUDING ALL OPTIONS

is in conformity with:

Safety: EN50083-1

EMC: EN 50083-2, EN 50081-1 Electromagnetic Compatibility for Equipment
IEC 61000-4-2:1995 / EN 50082-1:1997 ESD 8KV AD, 4KV CD.
IEC 61000-4-4:1995 / EN 50082-1:1997 EFT 0,5KV-5KHz Sig. Lines, 1KV-5KHz Power Lines.
IEC 61000-4-5:1995 / EN 50082-1:1997 CWG 1KV Power Lines.
IEC 61000-4-11:1994 / EN 50082-1:1997 Dips and Variation.

Technical Features : EN50083-5

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,

20-02-02

Date

Anton Galarza / General Manager



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ISO 9001

