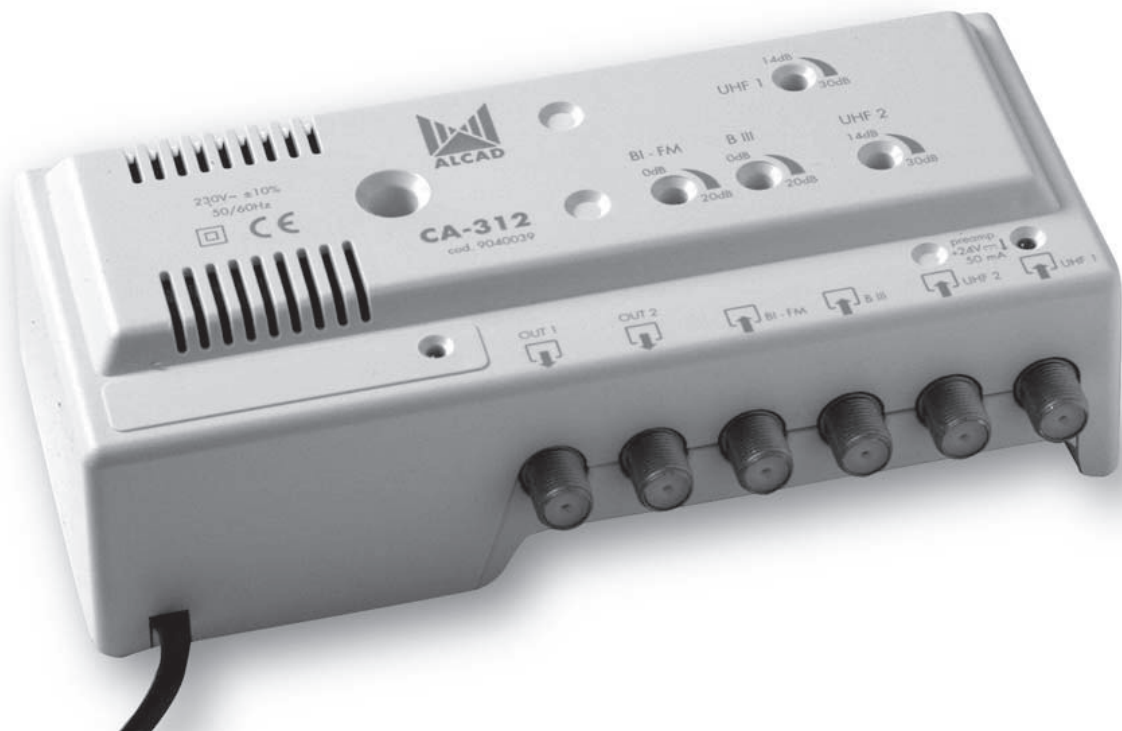




AMPLIFICADORES MULTIBANDA  
MULTIBAND AMPLIFIERS  
AMPLIFICATEURS MULTIBANDE



**SERIE 904 SERIES**

CÓDIGO-CODE-CODE		9040039			
MODELO-MODEL-MODELE		CA-312			
Número de entradas/salidas Number of inputs/outputs Nombre d'entrées/sorties		4/2			
Rango de frecuencia Frequency range Gamme de fréquences	Band	BI/FM	BIII/DAB	UHF1	UHF2
	MHz	40-108	160-260	470-862	470-862
Ganancia Gain Gain	dB ± TOL	20 ±1,0	20 ±1,0	30 ±1,0	30 ±1,0
Regulación de ganancia Adjustable gain range Plage de réglage du gain	dB	20		16	
Nivel de salida Output level Niveau de sortie	dB $\mu$ V	2 x 110 DIN 45004B 2 x 107 (IMD <sub>3</sub> -66 dB) 2 x 100 (IMD <sub>2</sub> -60 dB)			
Figura de ruido Noise figure Facteur de bruit	dB ± TOL	6,5 ±1,5		5,5 ±1,5	
Desacoplo Isolation Découplage	dB	≥13			
Tensión de salida Output voltage Tension de sortie	V $\overline{\text{---}}$	-		24	
	mA	-		50	
Tensión de red Mains voltage Tension de secteur	V $\sim$	230 ±10% <sup>(1)</sup>		50/60 Hz	
	VA	7			

DIN 45004B: 3 unequal carriers, IMD<sub>3</sub> at 60 dB  
 IMD<sub>3</sub> -66 dB: 3 unequal carriers, EN 50083-5  
 IMD<sub>2</sub> -60 dB: 2 equal carriers, EN 50083-5

(1) Bajo pedido 125 o 240 V $\sim$

(1) Upon request 125 or 240 V $\sim$

(1) Sur demande 125 ou 240 V $\sim$

Data published in compliance with the definitions and measurement methods of the following standards: EN 50083-3, EN 50083-4 and EN 50083-5

<b>CÓDIGO-CODE-CODE</b>		<b>9040039</b>
<b>MODELO-MODEL-MODELE</b>		<b>CA-312</b>
Temperatura de funcionamiento Operating temperature Température de fonctionnement	°C	-10..+65
Índice de protección Protection index Indice de protection		IP 20

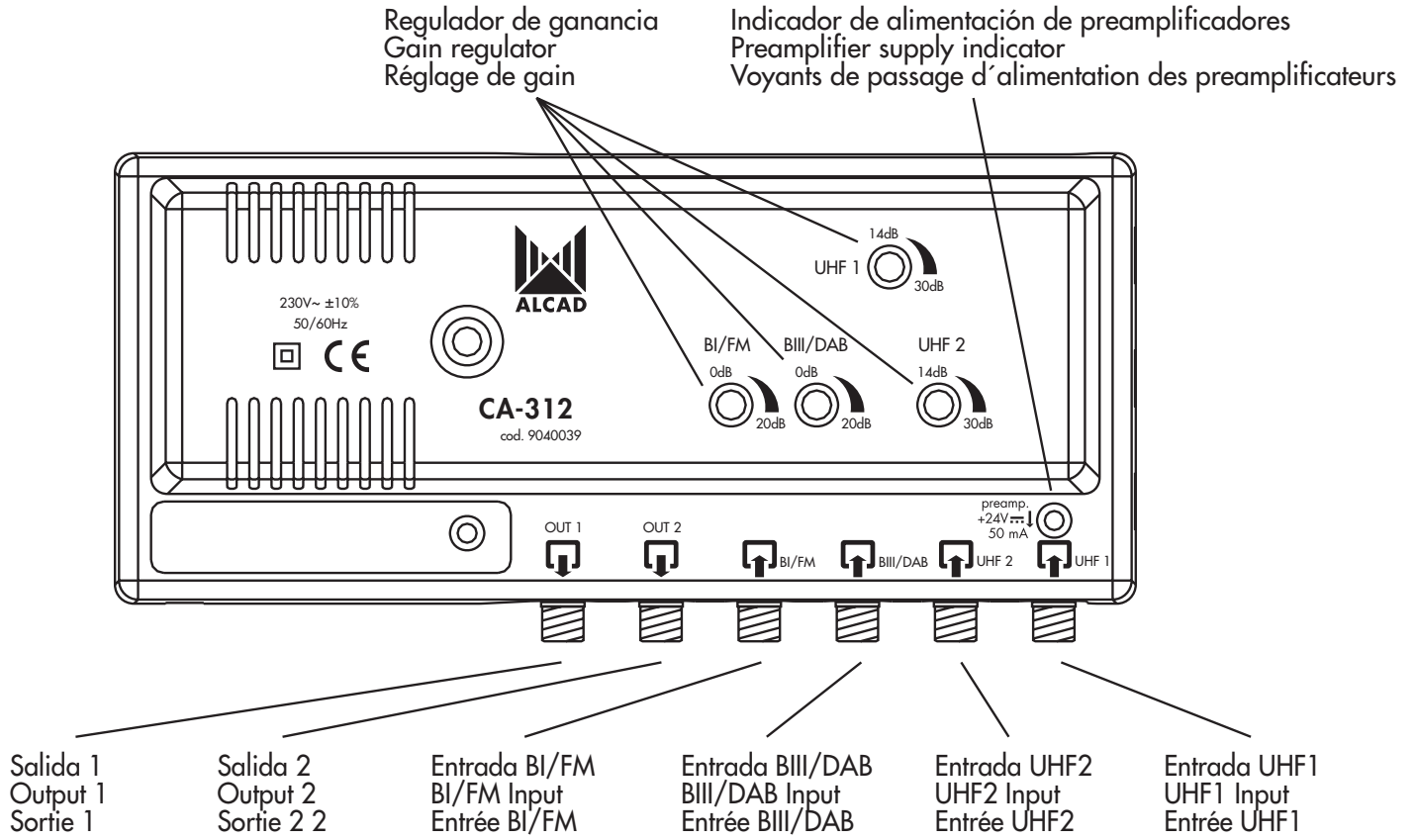
Se debe cargar la salida no utilizada con una carga RS-275 (COD. 9120011).  
The unused output should be loaded with an RS-275 (COD. 9120011) load.  
La sortie non utilisée doit être chargée avec une charge RS-275 (COD. 9120011).

**REDUCCIÓN DEL NIVEL DE SALIDA  
REDUCTION OF THE OUTPUT LEVEL  
REDUCTION DU NIVEAU DE SORTIE**

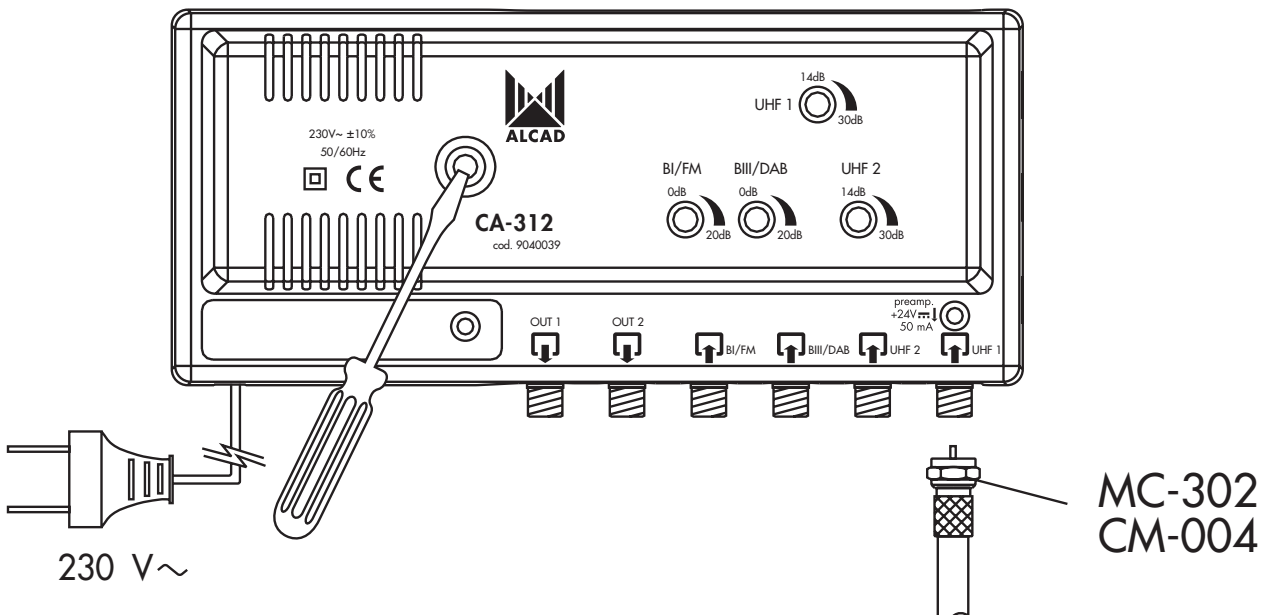
		<b>NIVEL DE SALIDA / OUTPUT LEVEL / NIVEAU DE SORTIE</b>										
<b>Canales Channels Canaux</b>		<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>	<b>15</b>	<b>20</b>
<b>Nivel máximo Maximun level Niveau maximun</b>	<b>dB<math>\mu</math>V</b>	<b>110</b>	<b>108</b>	<b>106</b>	<b>105</b>	<b>105</b>	<b>104</b>	<b>104</b>	<b>103</b>	<b>103</b>	<b>100</b>	<b>100</b>

DIN 45004B

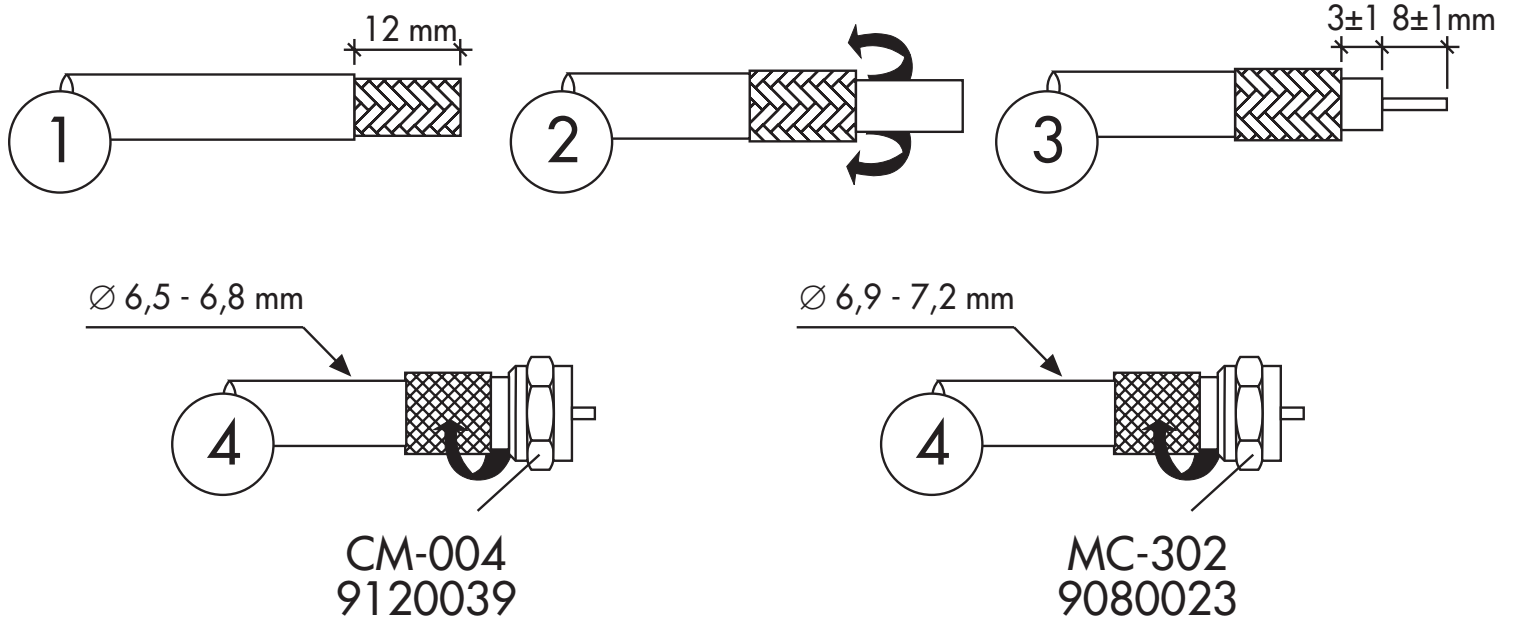
AMPLIFICADOR CA-312  
 AMPLIFIER CA-312  
 AMPLIFICATEUR CA-312



CÓMO FIJAR EL AMPLIFICADOR  
 HOW TO FIX THE AMPLIFIER  
 COMMENT FIXER L'AMPLIFICATEUR

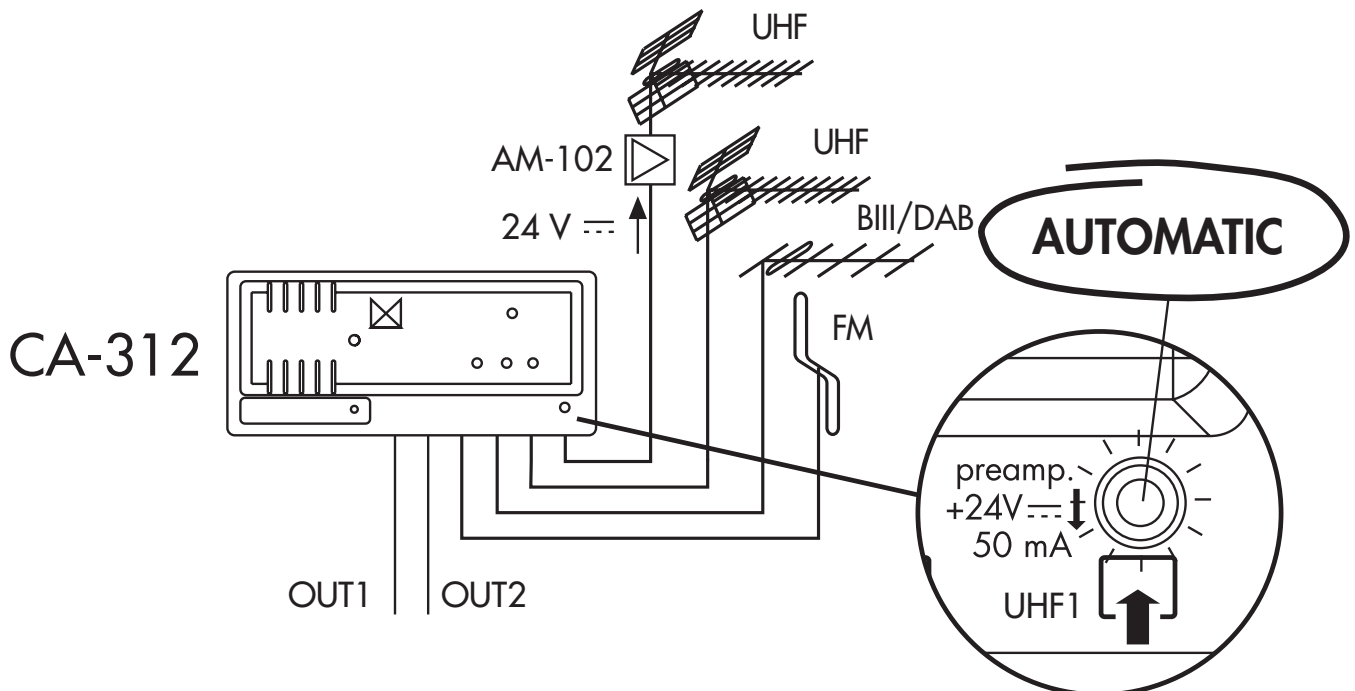


# CÓMO PREPARAR LOS CONECTORES F HOW TO PREPARE THE F CONNECTORS COMMENT PREPARER LES CONNECTEURS F



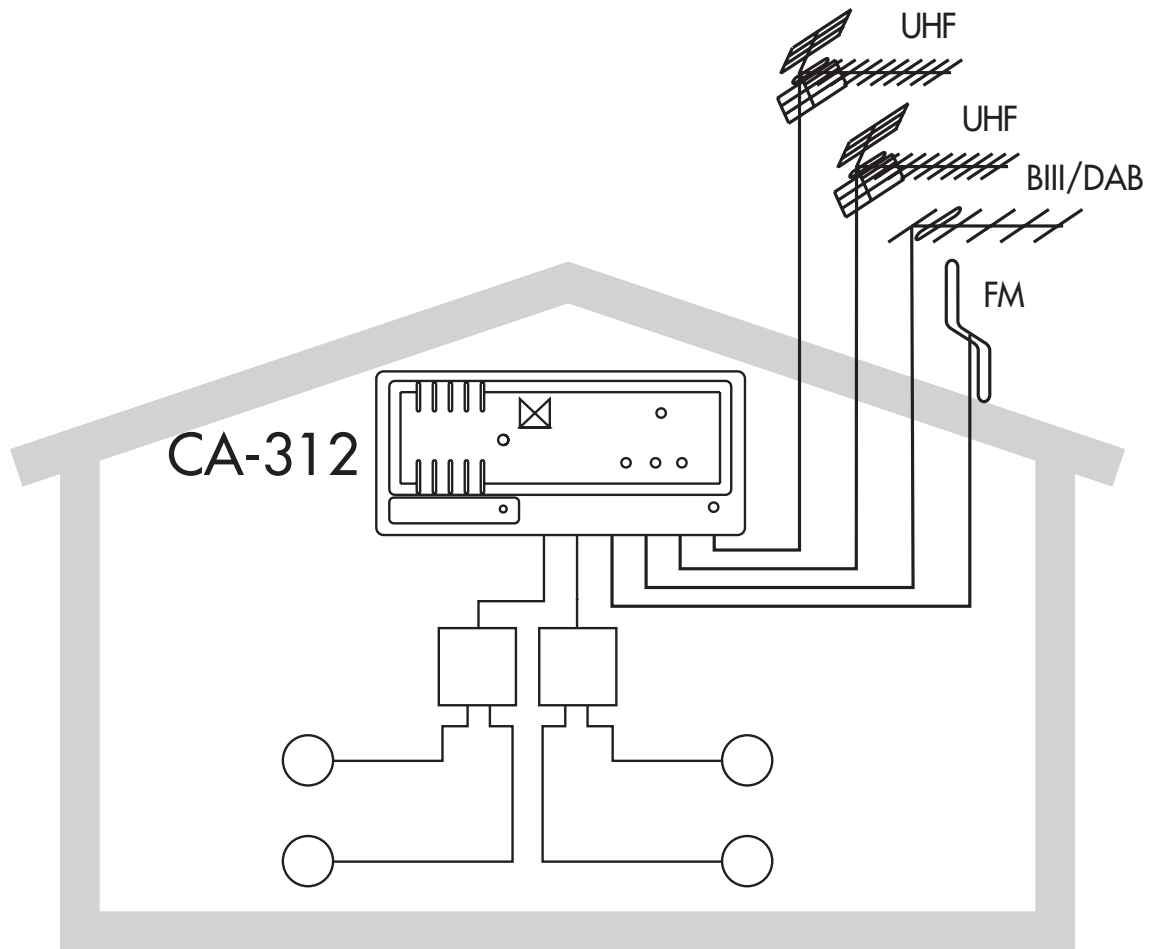
Los conectores se venden por separado.  
The connectors are sold separately.  
Les connecteurs a vendre séparément.

# CÓMO ALIMENTAR UN PREAMPLIFICADOR HOW TO FEED A PREAMPLIFIER COMMENT ALIMENTER UN PREAMPLIFICATEUR

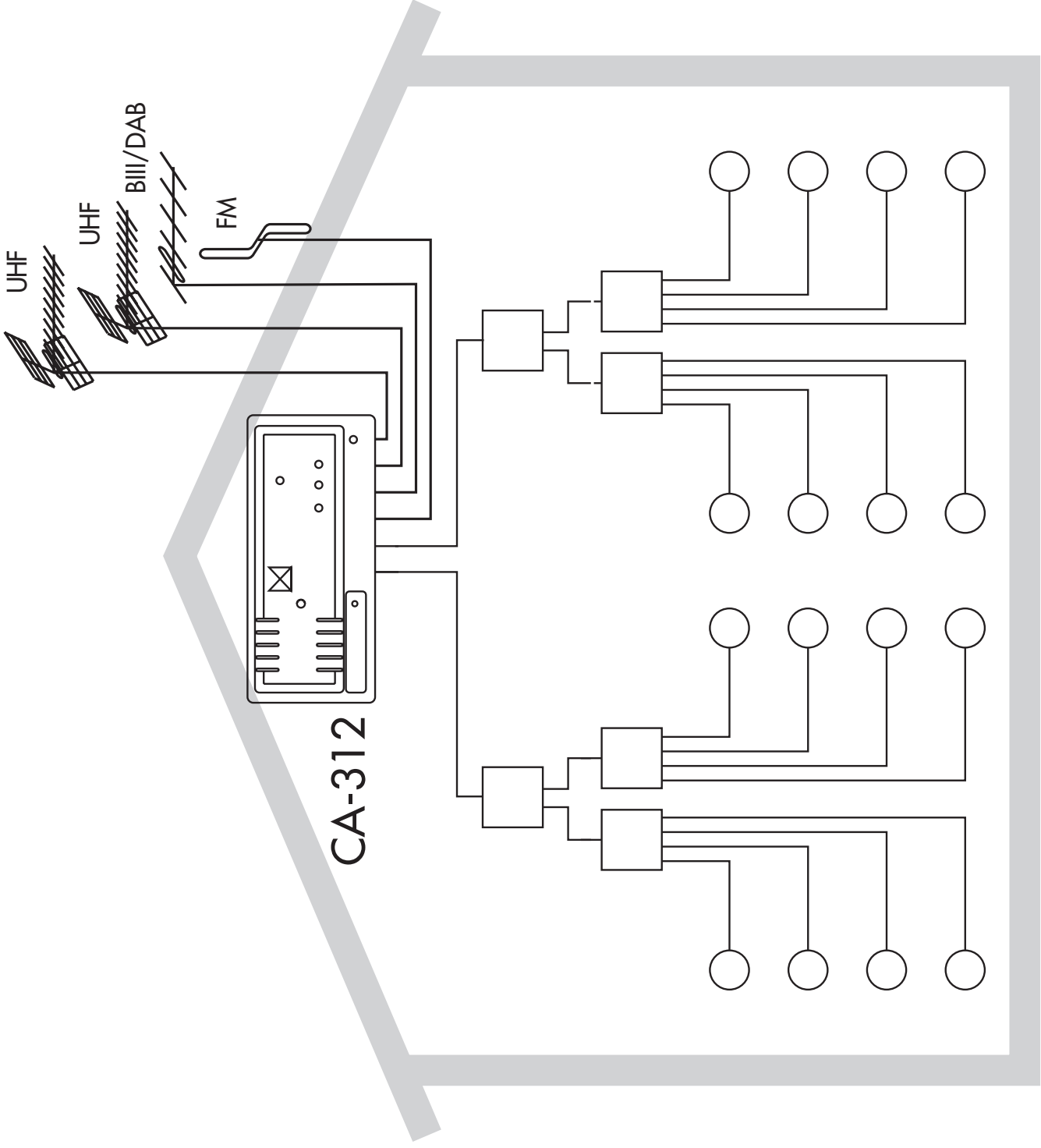


INSTALACIÓN INDIVIDUAL  
INDIVIDUAL INSTALLATION  
INSTALLATION INDIVIDUELLE

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INSTALACION COLECTIVA  
MATV COLLECTIVE INSTALLATIONS  
INSTALLATION COLECTIVE MATV





# 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):** CA-312

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

is in conformity with:

Safety: EN 50083-1:1993

EMC: EN 50083-2:2001

## Supplementary Information:

The product herewith complies with the requirements of the Low Voltage Directive 2006/95/CE and the EMC Directive 89/336/EEC and their relevant amendments, gathered under the directive 93/68/EEC.

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



Irún,

31-01-07

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



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ISO 9001



Empresa Registrada

ER-0196/1996