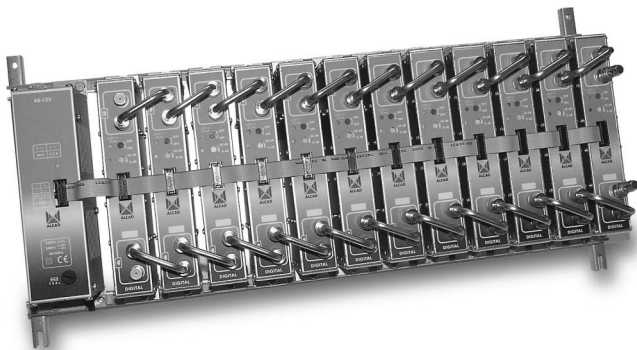




ALCAD

EQUIPO DE AMPLIFICACIÓN MODULAR MULTICANAL
MULTICHANNEL MODULAR AMPLIFIER SYSTEM
SYSTÈME D'AMPLIFICATION MULTICANAL MODULAIRE



SERIE 905 SERIES

AMPLIFICADOR MULTICANAL - MULTICHANNEL AMPLIFIER - AMPLIFICATEUR MULTICANAL

CÓDIGO-CODE-CODE	9050132	9050133	9050037	9050073
MODELO-MODEL-MODELE	ZP-901	ZP-902	ZG-901	ZG-902
Sistema de TV TV system Système de TV	DVB-T AM TV			
Número de canales Number of channels Nombre de canaux	4	5	4	5
Rango de frecuencia Frequency range Gamme de fréquences	Band	UHF	UHF	UHF
	MHz	830-862	822-862	830-862
Ganancia Gain Gain	dB ±TOL	40 ±3,0		53 ±3,0
Regulación de ganancia Gain adjust Réglage de gain	dB	30		
Nivel máximo de salida Maximum output level Niveau maximal de sortie	dB μ V	2x 115,5 DIN 45004K 2x 115,5 DIN 45004B 2x 110,5 (IMD ₃ -66 dB) AM TV 2x 118,5 (IMD ₃ -35 dB) DVB-T	2x 123,5 DIN 45004K 2x 109,5 DIN 45004B 2x 106,5 (IMD ₃ -66 dB) AM TV 2x 118,5 (IMD ₃ -35 dB) DVB-T	
Selectividad C _n -C _{n±2} Selectivity C _n -C _{n±3} Sélectivité f _c -f _c ±12 MHz	dB	17 28 15	17 28 15	
Tensión de salida Output voltage Tension de sortie	V _{...} mA	24 33		
Alimentación Power supply Alimentation	V _{...} mA	24 80		

AM TV C_n-C_{n±2}: C_{Vn}-C_{an-2} / C_{an}-C_{Vn+2} (C_v video carrier, C_a audio carrier)
C_n-C_{n±3}: C_{Vn}-C_{an-3} / C_{an}-C_{Vn+3} (C_v video carrier, C_a audio carrier)

DVB-T f_c-f_c±12MHz: (f_c center frequency)

DIN 45004K: 3 unequal carriers, IMD₃ at 54 dB

DIN 45004B: 3 unequal carriers, IMD₃ at 60 dB

IMD₃-66 dB: 3 unequal carriers, EN 50083-5

IMD₃-35 dB: 2 equal carriers

ALIMENTADOR - POWER SUPPLY - ALIMENTATION

CÓDIGO-CODE-CODE		9050083	
MODELO-MODEL-MODELE		AS-125	
Tensión de salida Output voltage	V \cdots	+24	
Tension de sortie	mA	1700	
Tensión de red Mains voltage	V \sim	230 \pm 15% 50/60 Hz	240 $\begin{smallmatrix} +10\% \\ -18\% \end{smallmatrix}$ 50/60 Hz
Tension secteur	VA	70	

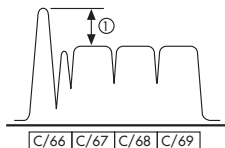
Protegido contra cortocircuitos
Protected against short-circuits
Protégée contre les court-circuits

EQUIPO COMPLETO - COMPLETE SYSTEM - ÉQUIPEMENT COMPLET

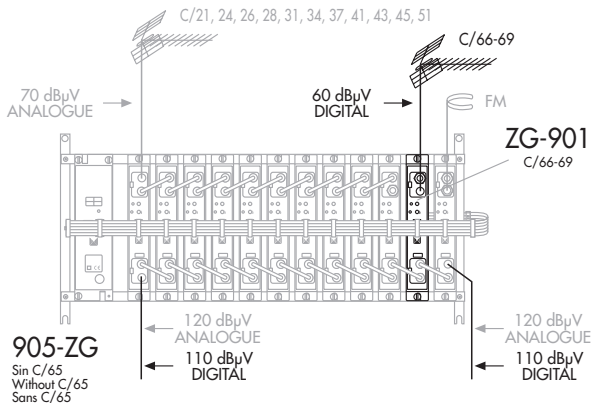
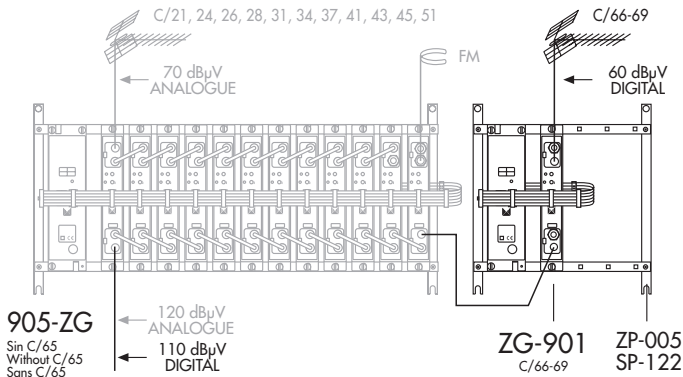
		905-ZP/ZG SERIES
Temperatura en proximidad del equipo Operating temperature close to equipment Température en proximité de l'équipement	° C	-10 .. +65
Temperatura ambiente con/sin ventilador Room temperature with/without fan Température ambiante avec ou sans ventilateur	° C	-10 .. +55/+45
Índice de protección Protection index Indice de protection		IP 20

NIVEL MÁXIMO DE SALIDA MAXIMUM OUTPUT LEVEL NIVEAU MAXIMAL DE SORTIE

ZG-901/902		
Diferencia Difference Difference ①	Analógico AM TV Analogue AM TV Analogique AM TV	Digital COFDM Digital COFDM Numerique COFDM
dB	dB μ V	dB μ V
0	117,0	117,0
3	120,0	117,0
5	122,0	117,0
7	123,5	116,5
10	123,5	113,5
15	123,5	108,5
20	123,5	103,5



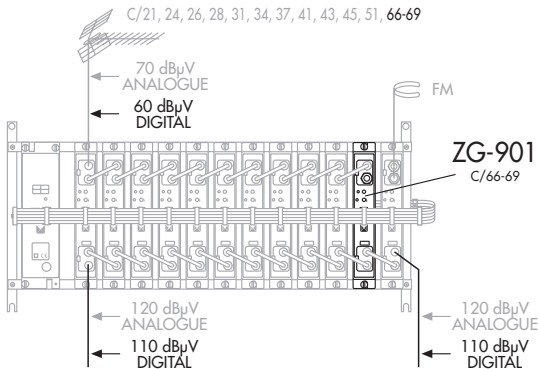
ESQUEMAS TÍPICOS
 CONNECTION DIAGRAMS
 SCHEMAS DE CONNEXION



ESQUEMAS TÍPICOS
 CONNECTION DIAGRAMS
 SCHEMAS DE CONNEXION

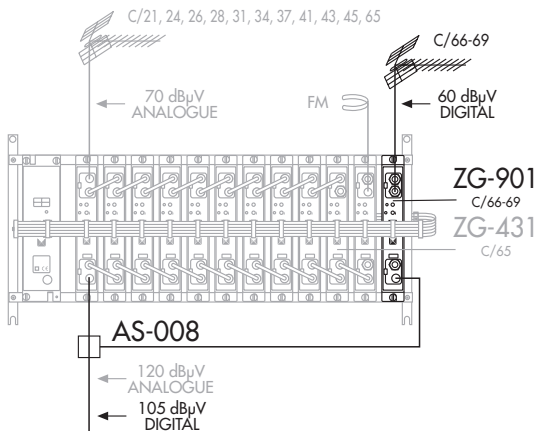
905-ZG

Sin C/65
 Without C/65
 Sans C/65



905-ZG

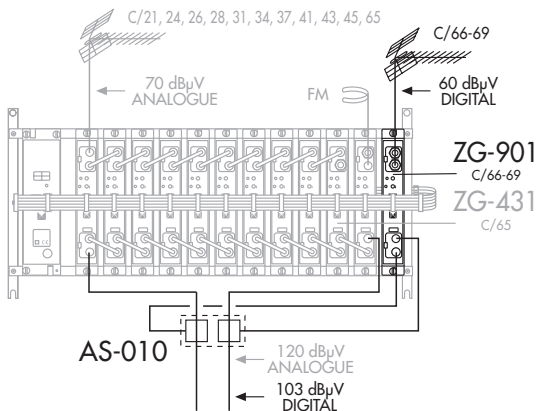
Con C/65
 With C/65
 Avec C/65



ESQUEMAS TÍPICOS
 CONNECTION DIAGRAMS
 SCHEMAS DE CONNEXION

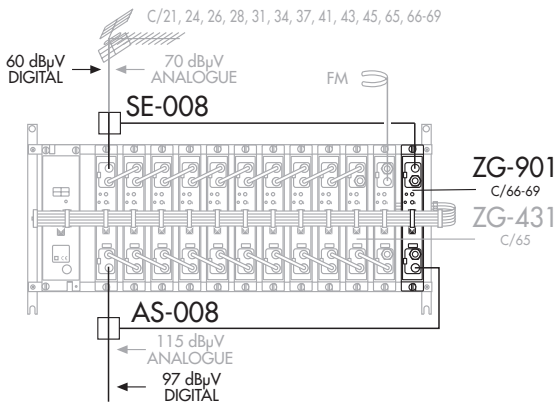
905-ZG

Con C/65
 With C/65
 Avec C/65



905-ZG

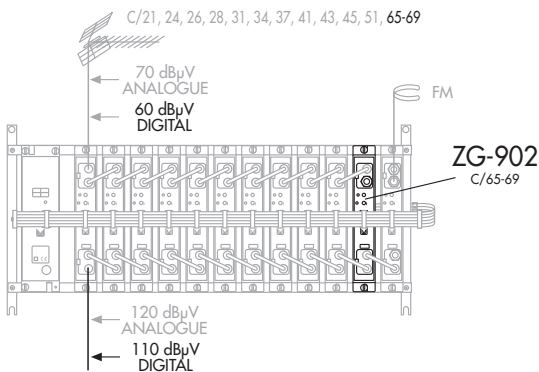
Con C/65
 With C/65
 Avec C/65



ESQUEMAS TÍPICOS
CONNECTION DIAGRAMS
SCHEMAS DE CONNEXION

905-ZG

Con C/65
With C/65
Avec C/65





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: 905 Series: MODULAR AMPLIFIERS
Model Number(s): ZP-901, ZP-902, ZG-901, ZG-902, AS-125

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 : EN50083-5:2001

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 directive 93/68/EEC.

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



Irún,

25-05-06

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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Tel. 48 33 851 06 35



ISO 9001

