



TRANSMODULADOR QPSK-PAL
QPSK-PAL TRANSMODULATOR
TRANSMODULATION QPSK-PAL



SERIE 912 SERIES

TRANSMODULADOR QPSK-PAL - QPSK-PAL TRANSMODULATOR - TRANSMODULATEUR QPSK-PAL

CÓDIGO-CODE-CODE		9120129		
MODELO-MODEL-MODELE		TP-559		
Sistema de TV TV system Système de TV		DVB-S → AM-TV PAL B/G CCIR	DVB-S → AM-TV PAL I UK	DVB-S → AM-TV PAL D/K OIRT
Audio Audio Audio		Mono/Stereo Dual (Analogue)	Mono	Mono/Stereo DK3 Dual (Analogue)
RECEPTOR QPSK - QPSK RECEIVER - RECEPTEUR QPSK				
Rango de frecuencia Frequency range Gamme de fréquences	MHz	950-2150		
Resolución de frecuencia Frequency step Réglage de fréquence	MHz	1		
Nivel de entrada Input level Niveau d'entrée	dB μ V	38..83		
	dBm	-70..-25		
Alimentación LNB LNB power supply Alimentation LNB	V \cdots	+12		
	mA	350 max		
Velocidad de símbolo Symbol rate Débit de symboles	Mbaud	1..45		
F.E.C. F.E.C. F.E.C.		Auto, 1/2, 2/3, 3/4, 5/6, 7/8 DVB: EN 300429		

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

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CÓDIGO-CODE-CODE		9120129		
MODELO-MODEL-MODELE		TP-559		
MODULADOR RF - RF MODULATOR - MODULATEUR RF				
Rango de frecuencia Frequency range Gamme de fréquences	MHz	46 - 894		
Resolución de frecuencia Frequency step Réglage de fréquence	MHz	0,25		
Canal de salida Output channel Canal de sortie		2..4 5..12 21..69 S1..S41	2..4 5..12 21..69 S1..S41	R1..R4 R5..R12 21..69 S1..S41
Modulación Modulation Modulation	MHz	BLV VSB BLR	Permite el uso de canales adyacentes Allows the use of adjacent channels Permet l'utilisation de canaux adjacents	
Nivel de salida Output level Niveau de sortie	dB μ V \pm TOL	85 \pm 2,0		
Regulación nivel de salida Output level adjust Réglage niveau de sortie	dB	15		
Pérdidas de paso en la mezcla Through loss in the mixture Pertes de passage dans le coplage	dB	0,9 \pm 0,1		
Relación portadora/ruido (C/N) Carrier/noise ratio (C/N) Rapport porteuse bruit (C/N)	dB	>60		
Alimentación Power supply Alimentation	V \cdots	+3,3	+5,2	+12
	mA	530	310	110+LNB

AMPLIFICADOR BANDA ANCHA - BROADBAND AMPLIFIER - AMPLIFICATEUR LARGE BANDE

CÓDIGO-CODE-CODE		9120093
MODELO-MODEL-MODELE		PA-720
Sistema de TV TV system Système de TV	MHz	AM-TV / DVB-T / DVB-C
Rango de frecuencia Frequency range Gamme de fréquences	MHz	40 - 894
Ganancia Gain Gain	dB ± TOL	44 ±1,0
Regulación de ganancia Gain adjust Réglage de gain	dB	15
Test de salida Output test point Sortie test	dB ± TOL	-30 ±1,0
Nivel de salida Output level Niveau de sortie	dB μ V	119 DIN 45004B
		116 (IMD ₃ -60 dB)
		110 (IMD ₂ -60 dB)
		103 CTB -60 dB
		104 CSO -60 dB
		104 XMOD -60 dB
Figura de ruido Noise figure Facteur de bruit	dB	3,5 ±0,5
Atenuación entrada extensión Extension input loss Attenuation a l'entrée d' extension	dB ± TOL	0 ±2,0
Alimentación Power supply	V \cdots	+24
Alimentation	mA	320

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

ALIMENTADOR - POWER SUPPLY - ALIMENTATION

CÓDIGO-CODE-CODE		9120046			
MODELO-MODEL-MODELE		FA-310			
Alimentación Power supply Alimentation	V $\overline{\text{---}}$ mA	+3,3 5500	+5,2 2500	+12 1500	+24 500
Tensión de red Mains voltage Tension de secteur	V \sim	230 \pm 20% 240 $\begin{matrix} +15\% \\ -20\% \end{matrix}$ 50/60 Hz			
Consumo de red Mains consumption Consommation	VA	125			

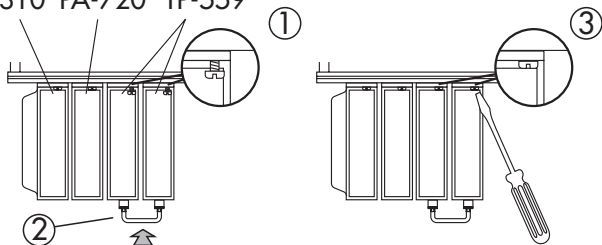
EQUIPO COMPLETO - COMPLETE SYSTEM - ÉQUIPEMENT COMPLET

CÓDIGO-CODE-CODE		912-TP	
MODELO-MODEL-MODELE		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 20C	

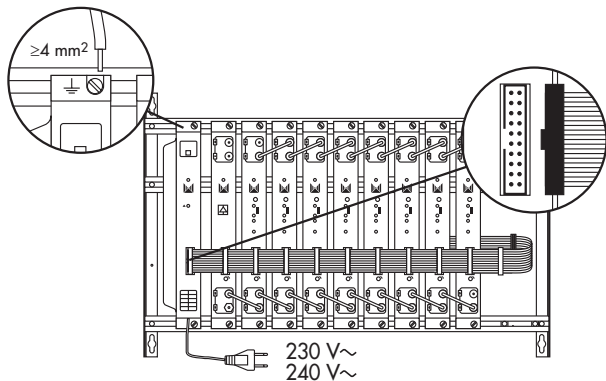
Programable con el programador PS-003 ver. 3.5 y posteriores
 Programmable with programmer PS-003 version 3.5 and later
 Programmable avec le programmeur PS-003 ver. 3.5 et suivantes

CÓMO INSERTAR LOS PUENTES
HOW TO INSERT CONNECTION BRIDGES
COMMENT INSERER LES PONTETS

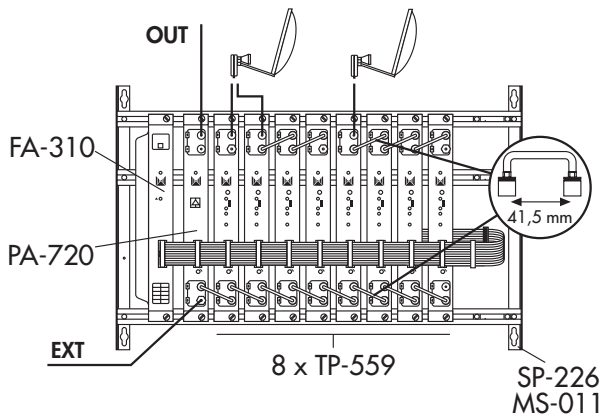
FA-310 PA-720 TP-559



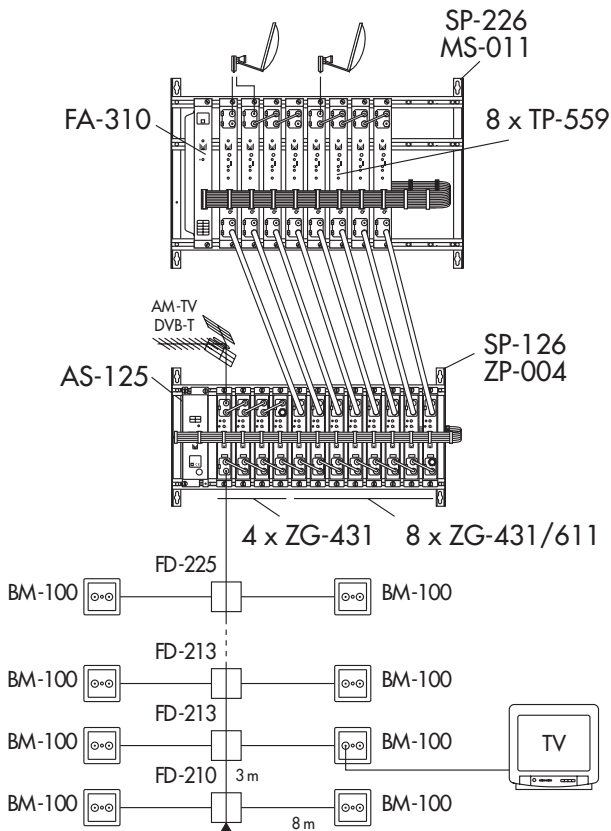
CONEXIÓN A LA RED ELÉCTRICA Y A LA TOMA DE TIERRA
CONNECTION TO THE MAINS AND TO THE EARTH
CONNEXION AU SECTEUR ÉLECTRIQUE ET À LA PRISE DE TERRE



AMPLIFICACIÓN BANDA ANCHA
BROADBAND AMPLIFICATION
AMPLIFICATION LARGE BANDE

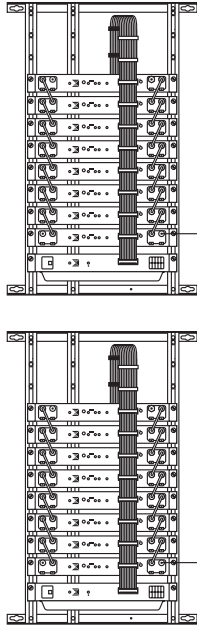


AMPLIFICACIÓN MONOCANAL
MONOCHANNEL AMPLIFICATION
AMPLIFICATION MONOCANAL

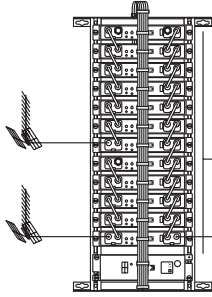
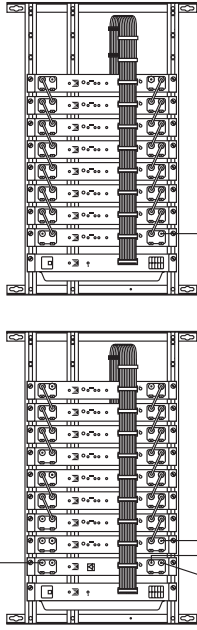


ESQUEMAS TÍPICOS
CONNECTION DIAGRAMS
SCHEMAS DE BRANCHEMENT

912-TP SERIES



912-TP SERIES



SERIE 905-ZG



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: 912 Series: TRANSMODULATION SYSTEM
Model Number(s): TP-559, PA-720, FA-310

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,

29-01-07

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

