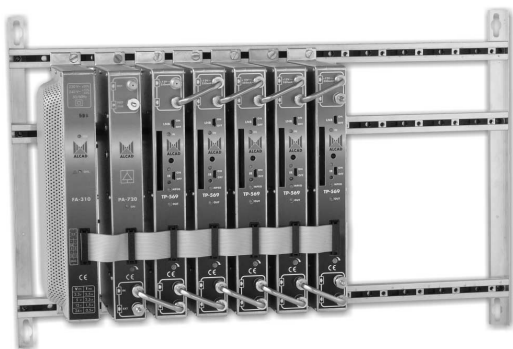




ALCAD

TRANSMODULADOR QPSK-PAL (COMMON INTERFACE)
QPSK-PAL TRANSMODULATOR (COMMON INTERFACE)
TRANSMODULATION QPSK-PAL (INTERFACE COMMUNE)



SERIE 912 SERIES

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

| CÓDIGO-CODE-CODE | | 9120128 | | |
|---|--|--------------------------------|---------------------------|------------------------------------|
| MODELO-MODEL-MODELE | | TP-569 | | |
| 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 \dots | +12 | | |
| | mA | 350 max | | |
| Velocidad de símbolo Symbol rate Debit 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 | | |

ACCESO CONDICIONAL - CONDITIONAL ACCESS - ACCES CONDITIONNEL

| | | | | |
|--|--|---|--|--|
| Norma Standard Norme | | DVB-CI: EN 50221 Common Interface | | |
| Compatibilidad Compatibility Compatibilité | | Viaccess, Mediaguard, Videoguard, Seca, Betacrypt, Nagravision, Irdeto, Cryptoworks, Conax | | |

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

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

| CÓDIGO-CODE-CODE | | 9120128 | | |
|---|-------------------------|------------------------------------|---|--|
| MODELO-MODEL-MODELE | | TP-569 | | |
| 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 | 300+CAM | 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 $\overline{\text{---}}$ | +3,3 | +5,2 | +12 | +24 |
| | mA | 5500 | 2500 | 1500 | 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 | | | |

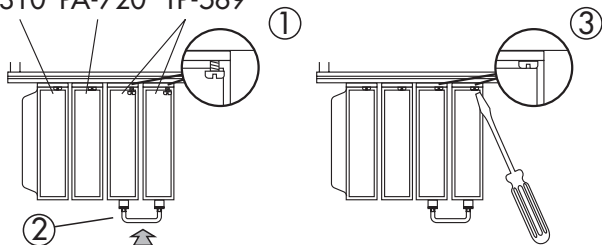
EQUIPO COMPLETO - COMPLETE SYSTEM - ÉQUIPEMENT COMPLET

| 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 | |

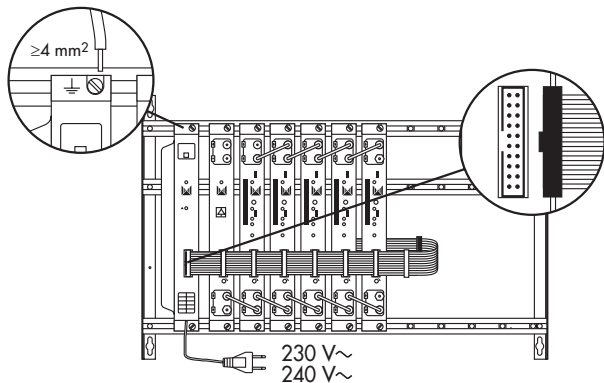
Programable con el programador PS-003 ver. 3.5 y posteriores
Programmable with programmer PS-003 version 3.5 and later
Programmable avec le programmeur PS-003 ver. 3.5 et suivantes

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

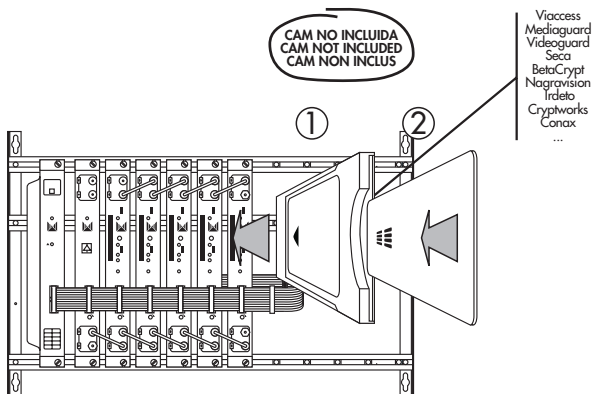
FA-310 PA-720 TP-569



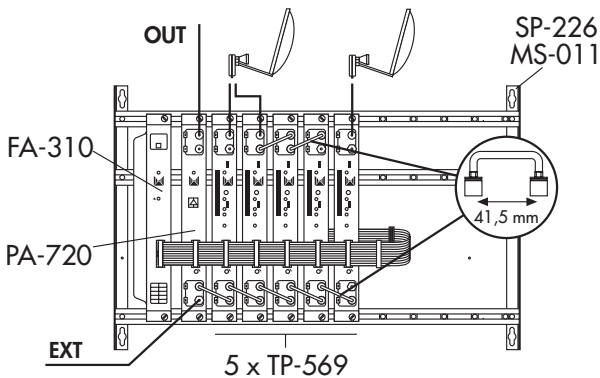
CONEXIÓN A LA RED ELÉCTRICA Y A LA TOMA DE TIERRA
CONNECTION TO THE MAINS AND TO THE EARTH
CONNEXION AU SECTEUR ÉLECTRIQUE ET À LA PRISE DE TERRE



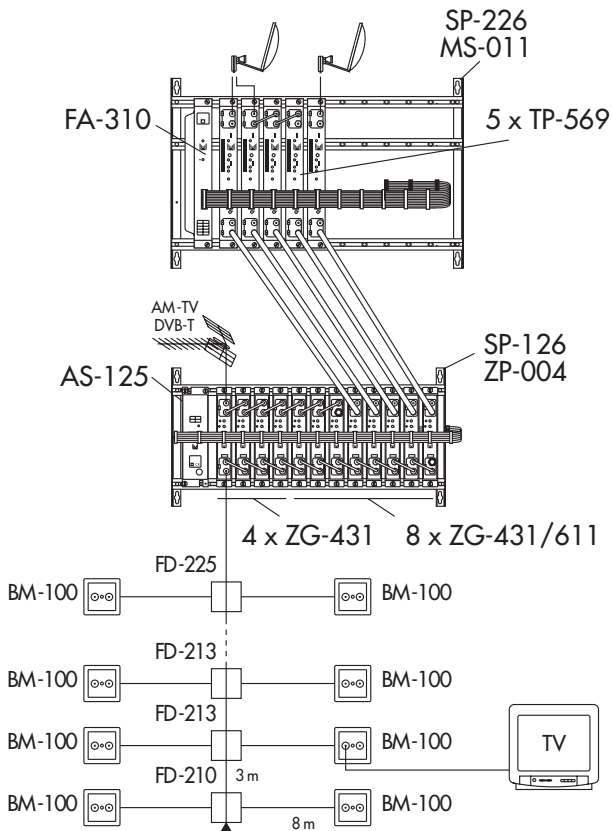
CONEXIÓN DEL MODULO CAM
CAM MODULE CONNECTION
CONNEXION DU MODULE CAM



AMPLIFICACIÓN BANDA ANCHA
BROADBAND AMPLIFICATION
AMPLIFICATION LARGE BANDE

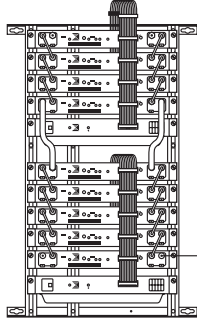
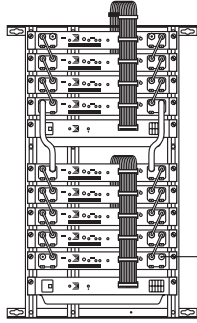


AMPLIFICACIÓN MONOCANAL
MONOCHANNEL AMPLIFICATION
AMPLIFICATION MONOCANAL



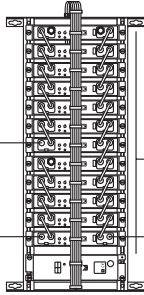
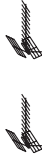
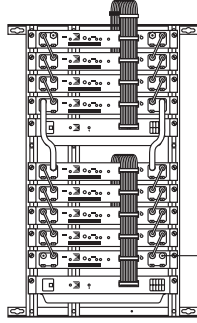
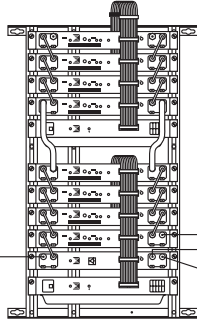
ESQUEMAS TÍPICOS
CONNECTION DIAGRAMS
SCHEMAS DE BRANCHEMENT

912-TP SERIES



OUT

912-TP SERIES



SERIE 905-ZG

FI-473

EXT



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-569, 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



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

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

GERMANY - Munich
Tel. 089 55 26 480

CZECH REPUBLIC - Ostrovacice
Tel. 546 427 059

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



ISO 9001

