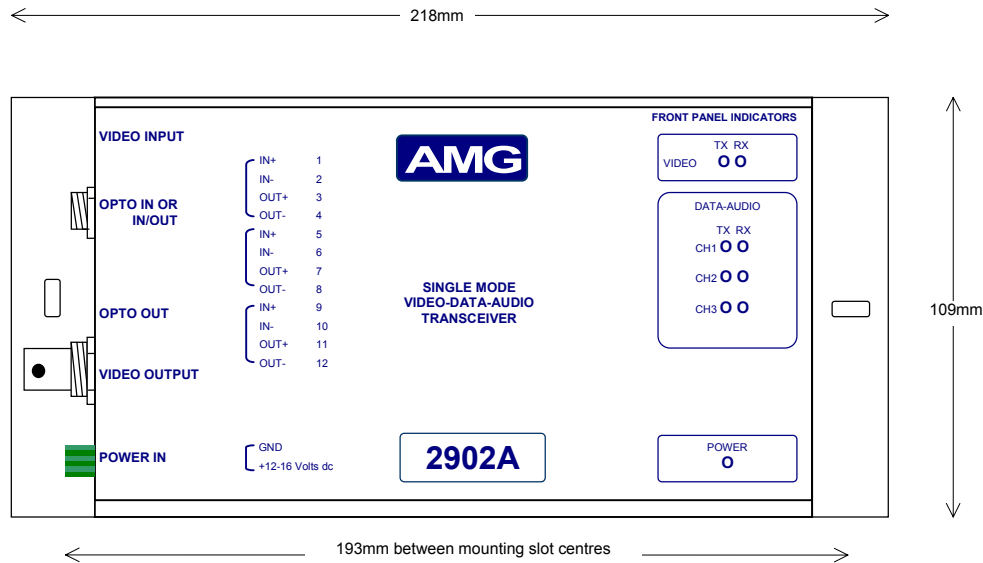




AMG2902A Instruction Sheet

AMG2902A Standalone Single Channel Video Only Fibre Optic Receiver for use on Singlemode Optical Fibre



The AMG2902A receives a single video signal over a singlemode optical fibre. It is designed to operate with an AMG2901A or an AMG2901AR Video Transmitter.

Video Output Connection

Connectors 75 ohm BNC Socket.
 Output Impedance 75 ohm terminated.
 Output Level..... 1 volt p-p nominal
 Frequency Response..... 10Hz to 5.75MHz min.

Optical Connection

Connectors..... FC/PC Style
 Optical Sensitivity -30dBm typ.
 Wavelength..... 1550nm nominal.

Power Connection

Power Supply +12 volts d.c. to +16 volts d.c. at 300mA
 Connector Removable screw terminal connector (3.5mm)
 See equipment label for connection details

Data Connections

Not Used

Dimensions

Height..... 109mm
Width..... 218mm
Depth..... 39mm

Mounting Details

The AMG2902A is designed to be mounted onto a panel via the two mounting slots of 4.5mm x 10mm.

Indicators

Power.....	Green	– unit powered
	Off	– no power applied to unit
Video RX.....	Green	– optical connection from AMG2901A OK and video signal being received
	Red/Green	– optical connection from AMG2901A OK no video
	Off	– optical loss between AMG2902A and AMG2901A too high

Safety

The 2900A series of products uses a Class 1 laser system in accordance with EN 60825-2:2000 and as such the optical power emitted from the optical connector is regarded as eye safe under all operating conditions.

However it is always advisable to follow good practice when working with optical fibre systems. This includes:

- Do not stare with unprotected eyes or with any unapproved collimating device at fibre ends or connector faces, or point them at other people.
- Use only approved filtered or attenuating viewing aids

For other safety issues and advice on good practice associated with the optical fibres systems see EN 60825-2:2000 or your local safety officer.

There are no user servicable parts within the AMG2902A.

In case of problem or failure contact your local support centre or AMG Systems Ltd, Technical Support Department on tel. +44 (0) 1767 600777.

See unit data sheet for full specification.