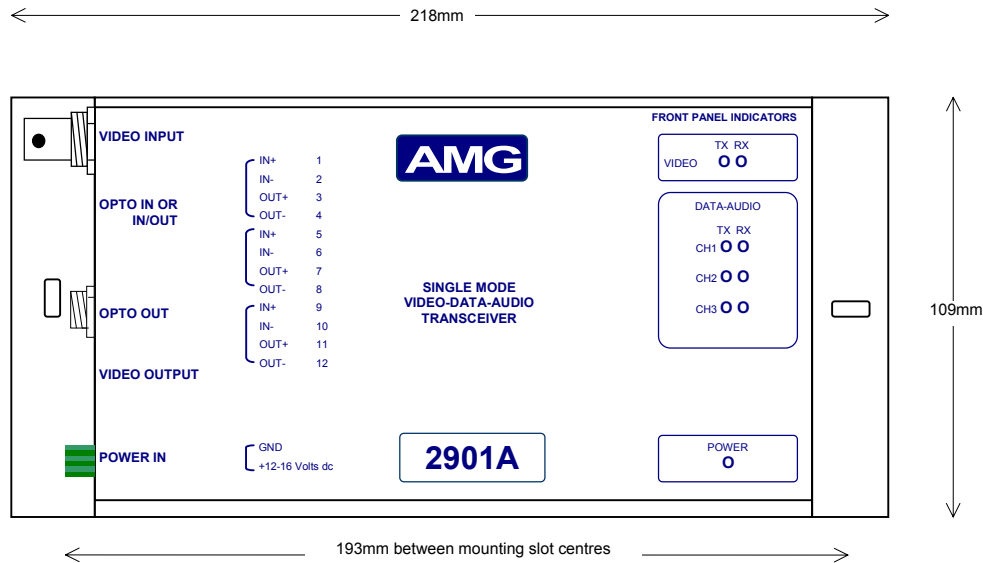




# AMG2901A Instruction Sheet

**AMG2901A Standalone Single Channel Video Only Fibre Optic Transmitter for use on Singlemode Optical Fibre**



The AMG2901A transmits a single video signal over a singlemode optical fibre. It is designed to operate with an AMG2902A or an AMG2902AR Video Receiver.

### Video Input Connection

- Connectors ..... 75 ohm BNC Socket.
- Input Impedance ..... 75 ohm terminated.
- Input Level ..... 1 volt p-p nominal (+3dB overload).
- Frequency Response ..... 10Hz to 5.75MHz min.

### Optical Connection

- Connectors ..... FC/PC Style
- Launch Power ..... -10dBm 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 AMG2901A is designed to 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 TX.....	Green	–	video signal present in video input BNC
	Off	–	no video present on video input BNC
Video RX.....	Red/Green	–	optical connection to AMG2902A(R) OK
	Off	–	optical loss to AMG2902A(R) 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 AMG2901A.

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 product data sheet for full specification.