

Title: OS801/OS802 single channel video transmitter/receiver.

Product number:OS801/802

Brochure Number:

General: Single channel stand-alone optical fibre system.

Operation: The OS801 is a miniature transmitter unit that converts the electrical signal from the camera to an optical signal. This optical signal is then transmitted through the optical fibre cable and is received at the far end by the OS802 receiver unit that converts the signal back to an electrical signal, which is then sent to the monitor. The advantage of using optical fibre is that you can send information, interference free, over long distances. (From 3.5km on 850nm multi-mode fibre up to 25km on 1300nm single-mode fibre, depending on optics.)

On consideration, the transmitters and receivers can be considered to be "media changers" as they enable the system designer to change from coax to optical fibre and back again, as he requires.

In most cases, the units require no adjustment on installation as the OS802 has 12dB of AGC (automatic gain control). Having said that however, if the optical fibre is very short (1 or 2 hundred meters long) the OS802 may require some adjustment of the gain potentiometer.

The OS801 requires an external 12vdc power supply and the recommended unit is the OS720. The OS802 has a built in mains 220vac power supply.

Basic single channel video fibre system.

