

VIDEO LINE CORRECTOR

TYPE BH74 / UU (OPTO- COUPLED)

DATA SHEET

- Coax input / Coax output
- 230V or 110V operation
- 45dB equalisation at 5MHz
- **Suitable for colour or monochrome cameras**
- **Opto-coupled circuit for hum rejection**



Application

This unit is designed for situations where video signals are to be transmitted over coaxial cables.

Suitable for colour or monochrome video signals the unit will equalise the incoming cable losses to a maximum of 45dB at 5MHz.

Controls on the side of the unit provide the following: GAIN, LFL, MFL, HFL1, HFL2, HFL3 and HFL4.

Adjustment of these controls enables the installer to equalise the incoming video signal and compensate for the cable losses.

The unit is fitted with an opto-coupler circuit to provide an optical path for the video signal. This isolation of the input and output signals prevents the appearance of Hum Bars on the monitor in situations where circulating earth currents are causing problems.

Addlestone Electronics Ltd.

DESIGNED AND MANUFACTURED IN UK

TECHNICAL DATA

BH74/UU

INPUT SIGNAL REQUIREMENTS	Composite video using colour / monochrome video signals or other wide band signals within a frequency bandwidth of 30Hz to 5MHz.
INPUT SIGNAL AMPLITUDE	Nominal 1 volts peak to peak (unbalanced).
OUTPUT SIGNAL AMPLITUDE	Nominal 1 volt peak to Peak (unbalanced)
AT UNITY GAIN	Differential Phase < 3 degrees / Differential Gain < 3%.
INPUT IMPEDANCE	75 ohms.
OUTPUT IMPEDANCE	75 ohms.
INPUT-OUTPUT CONNECTIONS	75 ohm BNC connectors for unbalanced input/ output. .
ELIMINATION OF LONGITUDINAL HUM	Automatic rejection to a maximum of 90 volts peak to peak.
CORRECTOR RESPONSE IN BAND	Adjustable to compensate for frequency dependent cable losses to a maximum of 45dB at 5MHz.
LIFT CONTROLS	7 lift controls are fitted: GAIN, LF, MF, HF1, HF2, HF3 and HF4. These controls allow individual adjustments within the video passband.
SWITCH FUNCTION	Switched in when using RG59 coaxial cable.
AC INPUT CONNECTOR	IEC type connector, 3 pole fixed plug.
POWER REQUIREMENTS	Nominal 230V 50Hz or 110V 50Hz, the equipment is normally supplied for 230V operation. The unit will continue to operate correctly should the AC input supply vary \pm 15%.
POWER CONSUMPTION	Approximately 6.0 watts at 230V 50Hz.
PERMISSIBLE AMBIENT OPERATING TEMPERATURE	-10°C to +40°C.
EQUIPMENT CASE DETAILS	Housed in grey polystyrene case, designed for free standing use.
WEIGHT OF EQUIPMENT	800 grammes.
DIMENSIONS OF EQUIPMENT	Height 70mm Depth 120mm excluding connectors Width 180mm



ADDLESTONE ELECTRONICS LTD.

Springfields, Church Lane,
Bisley, Woking, Surrey. GU24 9EA
Telephone: (01483) 480969 Fax: (01483) 797268
E-mail: sales@addlestone-electronics.co.uk
Web Site: www.addlestone-electronics.co.uk