

# VIDEO LINE CORRECTOR

TYPE BH74/BU

DATA SHEET

- Twisted pair input / coax output
- 230V or 110V operation
- 45dB equalisation at 5MHz
- Suitable for colour or monochrome cameras



## Application

This unit can be used where video signals are to be transmitted along twisted pair cable.

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, INPUT IMPEDANCE and INPUT BALANCE.

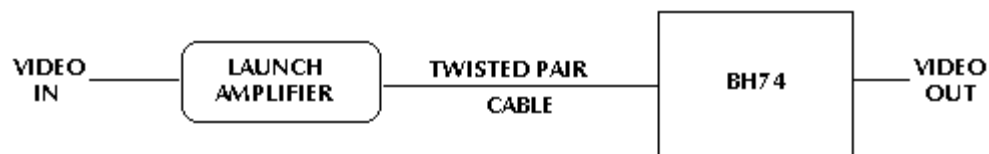
Adjustment of these controls enables the installer to equalise the incoming video signal and compensate for the cable losses.

**Addlestone Electronics Ltd.**  
DESIGNED AND MANUFACTURED IN UK

# TECHNICAL DATA

## BH74/BU

INPUT SIGNAL REQUIREMENTS	Composite video using colour / monochrome signals or any other wide band signal within a frequency bandwidth of 30HZ to 5MHz.
INPUT SIGNAL AMPLITUDE	Nominal 2 volts peak to peak (balanced)
OUTPUT SIGNAL AMPLITUDE	Nominal 1 volt peak to peak (unbalanced)
AT UNITY GAIN	Differential Phase < 3 degrees / Differential Gain < 3% .
INPUT IMPEDANCE	Factory set at a nominal 150 ohms (adjustable between approx. 70 and 230 ohms).
OUTPUT IMPEDANCE	75 ohms (unbalanced)
INPUT/OUTPUT CONNECTIONS	Screw clamp terminals and miniature PCB sockets for input / BNC connector for output.
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.
INPUT BALANCE	The balance of the input signal can be adjusted to obtain the best picture.
AC INPUT CONNECTOR	IEC type connector, 3 pole fixed plug.
POWER REQUIREMENTS	Nominal 230V 50Hz or 110V 50Hz $\pm 15\%$ .
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



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