

SUPER SYSTEMS

IMPEDANCE CONVERTER

(P/N 31010)

Part Number 31010 (DC Input Voltage Buffer) is a precision DC voltage buffer. It accepts and reproduces input voltage between -10 and + 15 Vdc. The output equals the input. Input impedance is higher than 100 megohms, with an input bias current less than 3 nanoamperes.

INSTALLATION AND CONNECTIONS:

The 31010 plugs into an 8-pin octal relay socket.

Pin connections are:

Pin 1 115 VAC Power
Pin 3 115 VAC Power
Pin 5 Positive input
Pin 6 Negative input
Pin 7 Positive output
Pin 8 Negative output

NOTE: Internally, Pins 6 & 8 are connected

SPECIFICATIONS:

INPUT VOLTAGE RANGE: -10 to +15 Vdc

OUTPUT VOLTAGE RANGE: -10 to +15 VDC (output equals input)

ACCURACY: ± 0.15 mV or better (Includes offset, nonlinearity, and temperature drift)

INPUT IMPEDANCE: Greater than 100 megohms

INPUT BIAS CURRENT: Less than 3 nanoamperes

OPERATING TEMPERATURE: -10 to +60 °C. (14 to 140 °F.)

POWER: 115 Vac, 50/60Hz, 2.5V-A maximum.