

KEYSIGHT TECHNOLOGIES (AGILENT HP)

11713A

The Keysight (Agilent / HP) 11713A is a legacy attenuator and switch driver designed to provide local front-panel and remote GPIB control for programmable step attenuators and electromechanical switches. It features an integral 24 Vdc power supply capable of driving up to 10 independent relays, supporting concurrent operation of two programmable attenuators and two electromechanical switches without the need for an external power source.

SPECIFICATIONS

General

Interfaces	GPIB
Display	Front panel LED indicators

Physical

Power Supply	100/120/220/240 Vac (+5%, -10%), 48 to 440 Hz, 80 VA max
Operating Temperature	0 to 55 °C
Dimensions (W×H×D)	213 × 89 × 348 mm
Weight	3.2 kg
Form Factor	Half-rack width, 2U height

Drive Specifications

Total Output Drive Channels	10 current sinking contacts
Drive Voltage	+24 Vdc (common)
Maximum Continuous Current (Total)	0.65 A (steady state)
Maximum Peak Current (Total)	< 1.3 A (for 1 second)
Switching Speed / Response Time	< 10 ms
Short Circuit Protection	Yes (integral to power supply)

Compatibility

Supported Programmable Step Attenuators	Keysight / Agilent 8494/5/6/7, 84904/6/7K/L series (Drives up to two concurrently)
Supported Electromechanical Switches	Keysight / Agilent 8761, 8762, or 8765 series (Drives up to two concurrently)
Relay Compatibility	Up to ten 24 V relays

Control and Interface

Remote Interfaces	GPIB
Local Control Mode	Front panel drive control

Power Specifications

Internal Power Supply	Integral power supply for internal loads; eliminates need for external power source
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Environmental

Storage Temperature	-40 to +75 °C
Operating Humidity	Up to 95% relative humidity at 40 °C
Operating Altitude	Up to 4600 m (15,000 ft)

Power

Power Consumption	80 VA maximum
Line Frequency	48 to 440 Hz

Control & Interface

Front Panel Controls	10 pushbuttons (for individual relay control), Local/Remote switch
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