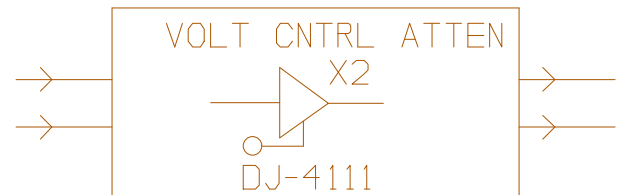


DESCRIPTION

The DJ-4111 provides two channels of independent or ganged remote level control. The solid-state VCA s utilize studio grade low noise / low distortion circuitry and are operated by DC control from a remote 10kΩ linear potentiometer. The dual VCA is available with internal up/down DC ramp control circuits as the model DJ-4111-1.

DESIGN SYMBOL

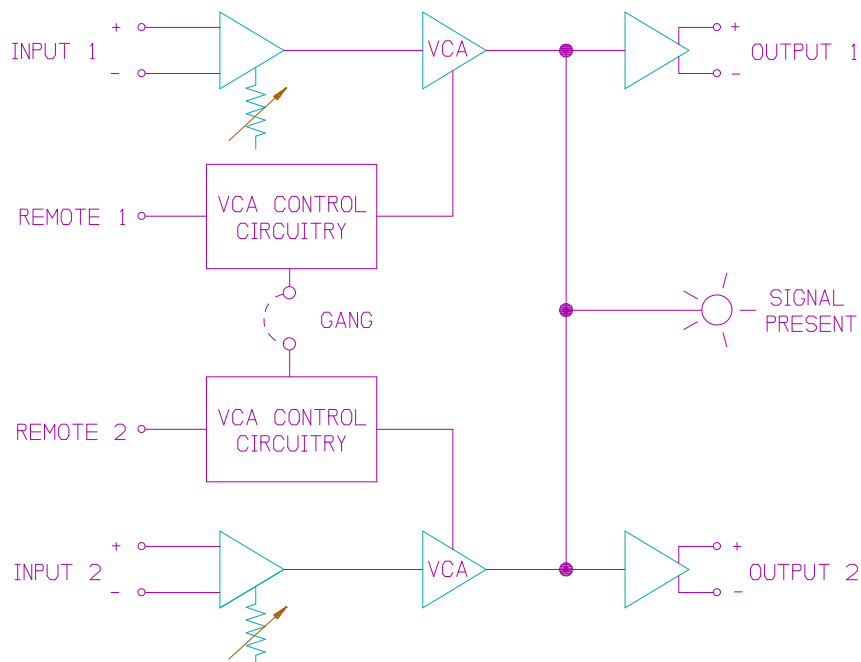


FEATURES

- Two independent channels
- Ganged level control of multiple channels
- Active balanced inputs and outputs
- Low noise/low distortion VCA circuitry
- Continuous control range of 0 to -50dB and off
- Field programmable restriction of control range

· DJ- 4111-1 Ramp Control Option
(See DJ-4111-1 Data Sheet for complete specifications)

FUNCTIONAL DIAGRAM



OPERATION

Input gain of each channel is set by a potentiometer on the front edge of the module. The output level is controlled by a remote 10k Ω linear potentiometer. Both channels operate over a maximum 50dB control range and can be field modified for restricted range. A dry contact switch in the potentiometer wiper leg turns the channel off without disturbing the level setting. A channel will also be turned off (-100dBV) by adjusting the control potentiometer fully counterclockwise. An internal up/down DC ramp control version is available as the DJ-4111-1 (See DJ-4111-1 data sheet).

SPECIFICATIONS

LINE INPUT	Standard <i>SYSTEM 41</i> active balanced
Impedance	82k Ω balanced, 41k Ω unbalanced
Maximum Input	+ 19dBV
LINE OUTPUT	Standard <i>SYSTEM 41</i> active balanced
Impedance	200 Ω , for 600 Ω or greater load
Maximum Output	+ 19dBV, unloaded
GAIN	0dB nominal, + 10dB maximum, field alterable
ATTENUATION (Remote)	0 to -50dB then off (-100dBV), field alterable to restrict range
FREQUENCY RESPONSE*	+ 0dB, -0.5dB
THD*,**	Less than 0.02% @ 0dBV output
EQUIVALENT INPUT NOISE*,**	Less than -90dBV
REMOTE CONTROL	10k Ω linear pot with dry contact (off switch) in wiper leg
CURRENT CONSUMPTION	75 mA
MODULE SPACE	1 unit, 1.20 inches
DC UP/DOWN RAMP CONTROL OPTION	See DJ-4111-1 data sheet

* Measured over a 20 Hz to 20 kHz bandwidth

** Measured at nominal gain setting

ARCHITECT'S SPECIFICATIONS

The remote level control/VCA shall provide two channels with active balanced inputs and outputs. Each channel shall provide a continuous remote control range of 50dB but shall be alterable to restrict the control range. Channel on/off shall be activated by a remote DC switch in the wiper leg of a potentiometer without disturbing the potentiometer setting. Nominal gain shall be unity, adjustable to + 10dB maximum. Maximum gain shall be alterable by a gain programming resistor. Input gain shall be set by an input level potentiometer. THD shall be less than 0.02% at 0dBV. Equivalent input noise shall be -90dBV or better, 20 Hz to 20 kHz. The output signal shall be monitored by a signal present LED. The remote level control/VCA shall mount in and be powered by the IRP Model DJ-4100, DJ-4101, or DJ-4150 Mainframe. The remote level control/VCA shall be the IRP Model DJ-4111 Remote Level Control/VCA.

ORDERING INFORMATION

Specify: Remote Level Control/VCA DJ-4111