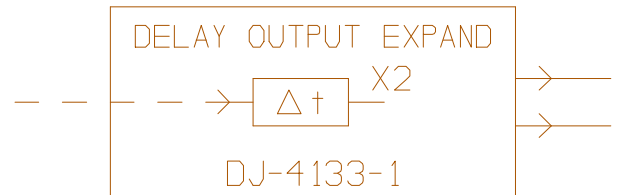


DESCRIPTION

The DJ-4133-1 Audio Signal Delay Output Expand provides two independently delayed outputs selectable in 1.0 millisecond steps to 255 milliseconds maximum. Dynamic range exceeds 100dB. Frequency and power response extend to 20 kHz. Four different delay settings are stored in non-volatile presets for each output. Remote contact closures independently select the preset delay for each output.

The DJ-4133-1 is digitally linked to the DJ-4132, DJ-4135, or DJ-4139 enabling indefinite expansion of outputs with no noise accumulation. To extend the delay duration see the DJ-4134 data sheet.

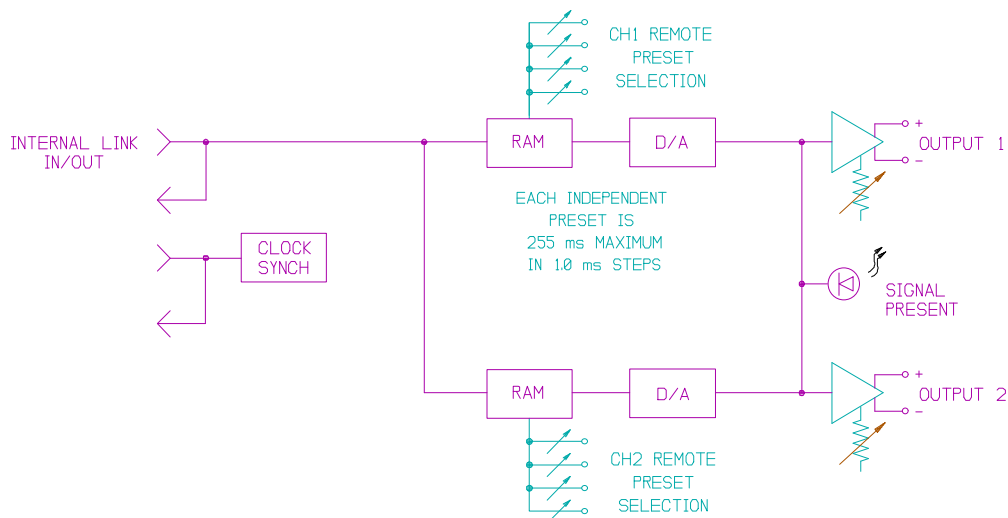
DESIGN SYMBOL



FEATURES

- Adjustable in 1.0 millisecond steps
- Active balanced outputs
- Greater than 100dB dynamic range
- 20 kHz bandwidth
- 4 presets for each output
- Indefinite output expansion
- Output level controls
- Signal present LED
- Digital linking
- Independent remote preset selection for each output

FUNCTIONAL DIAGRAM



SPECIFICATIONS

DIGITAL INPUT	Internal; 2.048 MHz Data/8.192 MHz clock
LINE OUTPUT	Standard SYSTEM 41 active balanced
Impedance	200Ω for 600Ω or greater load
Maximum Output	+19dBV unloaded
OUTPUT GAIN	Adjustable; attenuate only; 0dB maximum
FREQUENCY RESPONSE*	+0dB, -3.0dB
THD + NOISE*	0.1% @ 1 kHz/0dBV
NOISE*Less than -83dBV, 0dB output attenuation; -93dBV, -10dB output attenuation
DYNAMIC RANGE*	Greater than 100dB
DELAY	Adjustable in 1.0 millisecond steps to 255 milliseconds maximum
TRANSIT TIME	Retains 24 μs (A/D/A conversion delay) from analog input to analog output
CURRENT CONSUMPTION	90 mA
MODULE SPACE	One unit, 1.20 inches

* Measured over a 20 Hz - 20 kHz bandwidth

ARCHITECT'S SPECIFICATION

The Audio Signal Delay Output Expand shall provide two outputs. Each shall be independently selectable in 1.0 millisecond steps to 255 milliseconds maximum. Four different delay values shall be stored in non-volatile independent preset memory for each output. Delay for each preset shall be set via two 16 position switches; the first switch shall have increments of one millisecond, and the second switch shall have increments of 16 milliseconds. A remote contact closure shall independently select one of the four presets for each output. Non-volatile rotary switch positions shall be used as the memory for the preset delay values. A digital link shall prevent noise accumulation and provide for expanding the number of outputs and/or extending the maximum delay duration. Outputs shall be active balanced with level controls provided. The output signal shall be monitored by a signal present green LED. Frequency response shall be 20 Hz to 20 kHz +0, -3dB. Noise shall be less than -83dBV measured with a 20 kHz unweighted filter. The expansion outputs shall mount in and be powered by the IRP model DJ-4100, DJ-4101, or DJ-4150 mainframe. The expansion outputs shall operate with the IRP model DJ-4132, DJ-4135, or DJ-4139 delay module. The expansion outputs with remote preset memories shall be the IRP model DJ-4133-1.

ORDERING INFORMATION

Specify: DJ-4133-1, Audio Signal Delay Output Expand with remote presets

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.