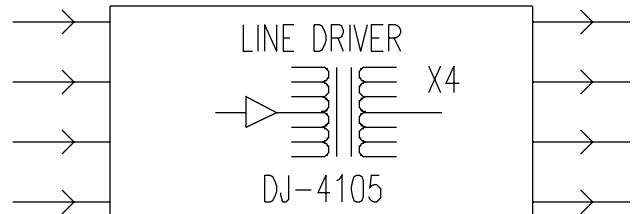


DESCRIPTION

The DJ-4105 provides four line drivers. Each has a transformer isolated output suitable for driving remote equipment without loss of frequency response or level.

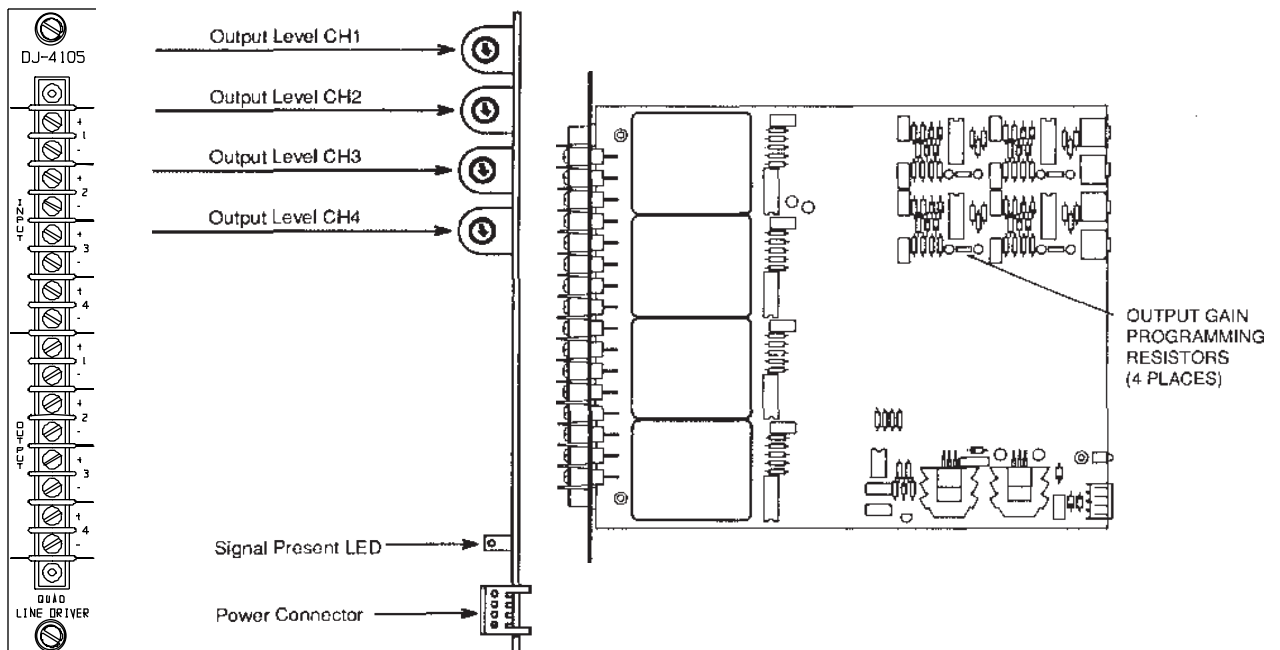
DESIGN SYMBOL



FEATURES

- Transformer isolated
- + 18dBV drive capability for 600Ω loads/.02μf
- Active balance inputs
- Gain trim control on each input
- Gain programming resistors
- Signal Present LED
- Five year limited warranty

FUNCTIONAL DIAGRAM



REAR PANEL FRONT EDGE CONTROLS

MODULE DETAIL

OPERATION

The DJ-4105 is especially useful for buffering signals from the *SYSTEM 41* active balance outputs to remote equipment where ground isolation is important and long line lengths exist. Inputs may be paralleled to form a distribution amplifier.

SPECIFICATIONS

LINE INPUT	Standard <i>SYSTEM 41</i> active balanced
Impedance	82k Ω balanced, 41k Ω unbalanced
Maximum Input	+ 19dBV
OUTPUT	Transformer isolated
Impedance	25 Ω for 600 Ω or greater load
Drive Capability	+ 18dBV into 600 Ω and .02 μ F
Maximum Output.....	+ 19dBV, unloaded
GAIN:	0 dB nominal, + 10dB maximum field alterable
FREQUENCY RESPONSE*:	+ 0 dB, -0.5 dB @ 0dBV output
THD**	Less than .05%, 20 Hz - 20 kHz @ 0dBV output Less than .1%, 30 Hz - 20 kHz @ + 18dBV output
EQUIVALENT INPUT NOISE*,**	Less than -100dBV
MODULE SPACE	One unit, 1.2 inches wide
CURRENT CONSUMPTION	70 mA typical, 140 mA maximum

* Measured over a 20 Hz - 20 kHz bandwidth

** Measured at nominal gain setting

ARCHITECT'S SPECIFICATIONS

Four isolated line drivers shall be provided. Each line driver shall have an active balanced input and a transformer coupled output. The line driver shall be capable of driving + 18 dBV into a 600 ohm resistor, paralleled by .02 microfarads, over a 20Hz to 20kHz bandwidth. Each driver shall have a gain adjust control. Maximum gain shall be factory set to 10dB. A gain programming resistor shall enable field change of maximum gain. Frequency response shall be +0dB, -0.5dB 20 Hz to 20kHz. T.H.D. shall be less than .05%, 20 Hz to 20 kHz at 0 dBV output. Equivalent noise shall be less than -100 dBV, 20 Hz to 20 kHz. The output signals shall be monitored by a signal present LED. The line driver shall mount in and be powered by the IRP model DJ-4100, DJ-4101, DJ-4150 or DJ-4151 mainframe. The line driver shall be the IRP Model DJ-4105.

ORDERING INFORMATION

Specify: 2 x 6 Distribution Amplifier DJ-4105