NC Servo Technology
NCSA-110-300
Servo Amplifier

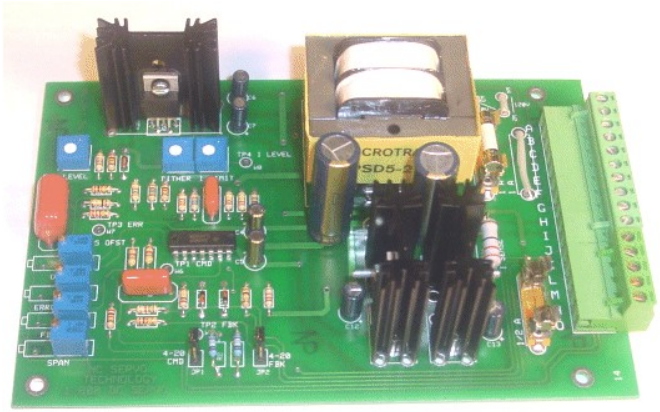
Versatile – Reliable - Reasonably priced for all types of servo valves

NC SERVO TECHNOLOGY

Serving Industry Since 1975 With

Quality Repairs On Automation Controls

Electronics * Hydraulics * Pneumatics * Magnetics



- **Output Current up to 250ma**
- **Input Reference + - 10V or 4 to 20ma**
- **Feedback input + - 10V or 4 to 20ma**
- **+ - 15V regulated power output available at terminals**
- **Current output adjustable from 0 to maximum (100ma or 250ma)**
- **Feedback gain adjustable from 2:1 as well as reference span and proportional error gain from 200:1**
- **Clearly labeled test points and components**
- **500 Hz Dither oscillator**

The NCSA-110-300 is a general purpose amplifier capable of filling a variety of needs for closed loop control of servo valves. This design replaces many other amplifiers for a more consistent layout and increased serviceability.

Its versatility stems from the fact that its maximum output current can be adjusted from 0ma to 100ma as shipped or to 250ma with a simple component change. The NCSA command and feedback inputs can be either current or voltage and are fully adjustable to cover a wide range of sensors and command sources.

A regulated power supply of + - 15V at 200ma is available at the terminal strip to power various sensors or auxiliary equipment.

NC Servo Technology
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NCSA-110-300

A. Earth Ground
B. 120V AC power input
C. 120V AC power input
D. –5V Reference voltage output to offset current sources (jump to aux input)
E. DC Feedback input. Scaled by FBK GAIN pot.
F. Input to current amp. Test point to monitor current command
G. Positive 15V output
H. 0V output
I. Negative 15V output
J. DC Command input. Scaled by SPAN pot.
K. DC Feedback connection with compensation network to improve response of feedback.
L. Secondary command input bypassing span pot
M. Error amp output (Command – feedback) used to monitor error amp output.
N. Negative current amp output to valve. DO NOT USE FOR ANY OTHER GROUNDING.
O. Positive current amp output to valve.