

Danfoss KE04104 Valve Drive Amplifier



Danfoss KE04104 Valve Drive Amplifier Instructions

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Danfoss KE04104 Valve Drive Amplifier



Product Information

Specifications

- Product Name: KE04104 Valve Drive Amplifier
- Issue: 3
- Date: September 1996
- Supply Voltage: 12 Vdc (11 to 15 Volts)
- Turn On Voltage: 48% of supply
- Maximum Output Current: 100 mA nominal

Product Usage Instructions

Dimensions

Refer to the connection diagram for specific dimensions of the KE04104 Valve Drive Amplifier unit.

Connection Diagram

Follow the connection diagram below for proper setup of the amplifier:



Output Characteristics

The KE04104 Valve Drive Amplifier offers different output characteristics based on the gain settings:

- High Gain
- Medium Gain
- Low Gain

The polarity of battery connections can be reversed to change the action output versus sensor input. The gain switch is optional; jumpers may be used in place of the switch.

FAQ

- Q: Can I use a different supply voltage than 12 Vdc?

A: It is recommended to use a supply voltage within the range of 11 to 15 Volts for optimal performance.

- Q: How do I adjust the gain settings?

A: You can adjust the gain settings by using the low gain switch on the amplifier or by using jumpers as indicated in the manual.

- Q: What is the maximum output current supported?

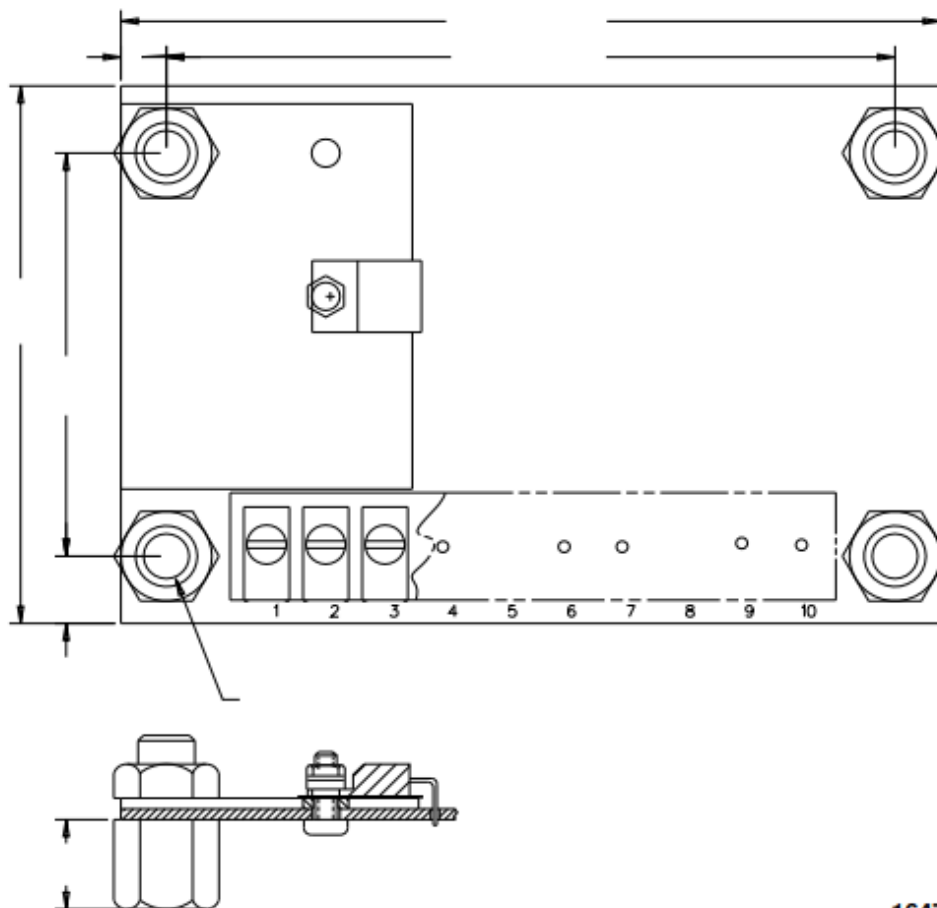
A: The KE04104 Valve Drive Amplifier supports a maximum output current of 100 mA nominal.

3500 Annapolis Lane North, Minneapolis, MN 55447 Telephone: (763) 509-2084 Telefax: (763) 559-0108

GENERAL DESCRIPTION

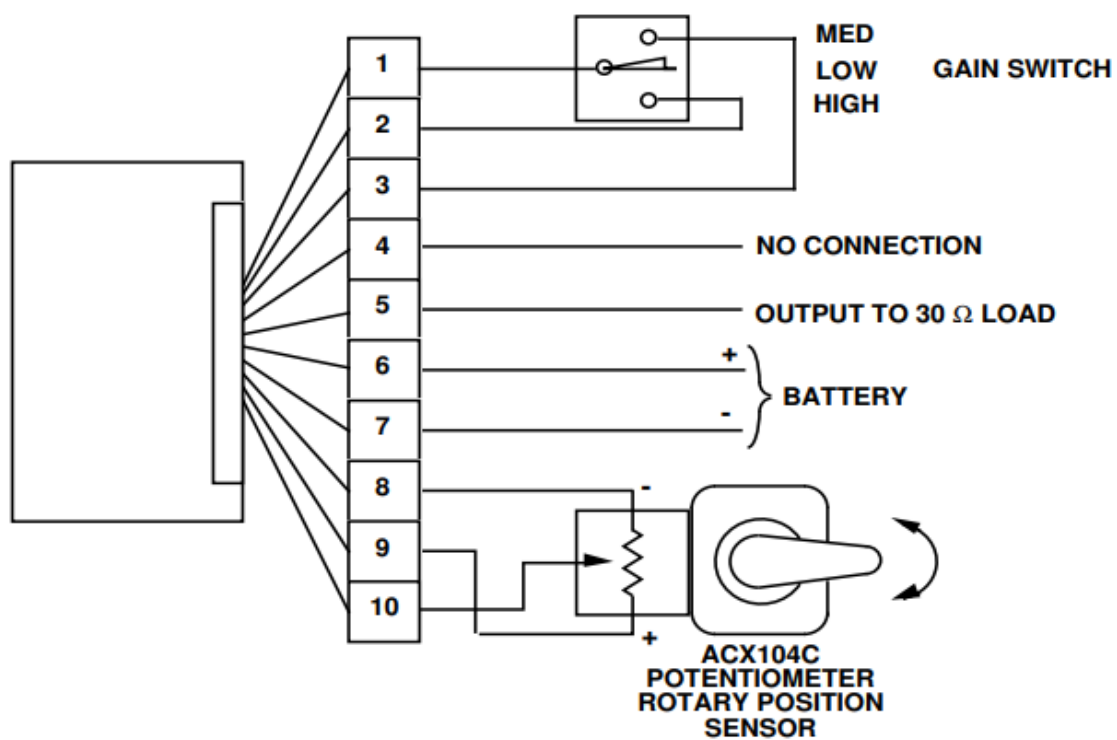
The device is a free standing amplifier mounted on 4 standoffs. Voltage from a sensor potentiometer, through the amplifier, produces current to drive electrohydraulic actuators. Connections to the amplifier are via screw terminals with 3/16–inch quick–connects. An external switch can change gain settings by shorting between two terminals.

DIMENSIONS



1647

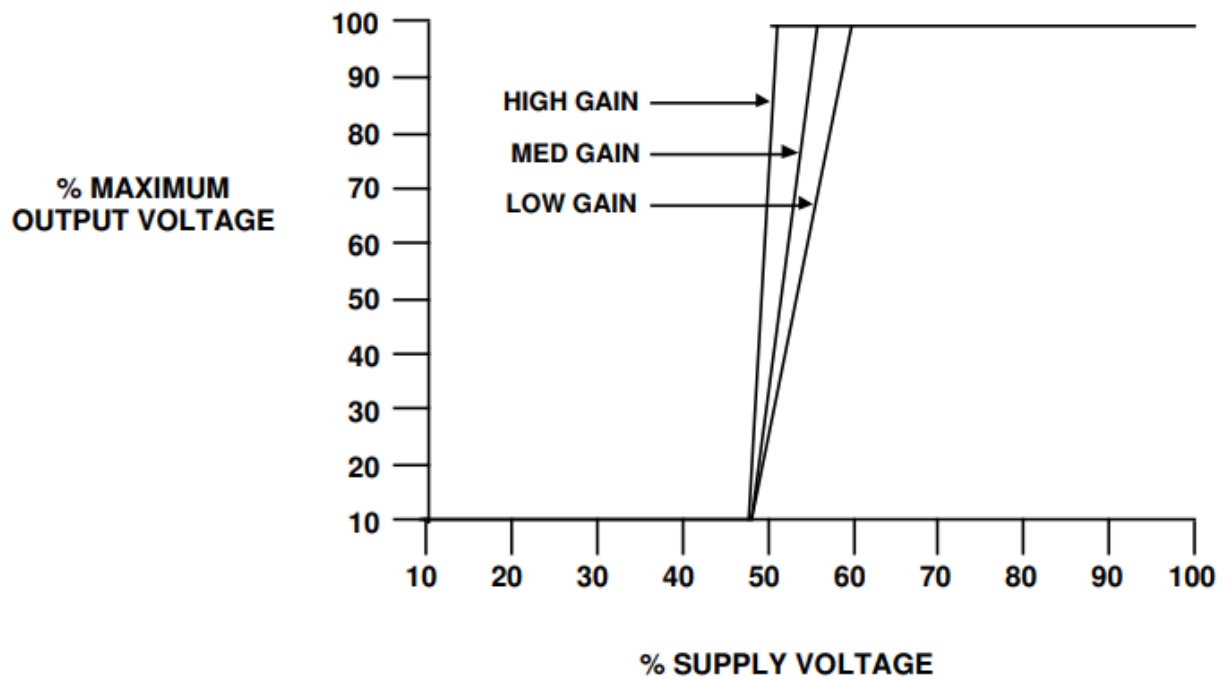
CONNECTION DIAGRAM



POLARITY OF BATTERY CONNECTIONS MAY BE REVERSED TO CHANGE ACTION OUTPUT VERSUS SENSOR INPUT

GAIN SWITCH IS OPTIONAL. JUMPERS MAY BE USED IN PLACE OF SWITCH

OUTPUT CHARACTERISTICS



- SUPPLY VOLTAGE 12 Vdc (11 to 15 Volts)
- TURN ON VOLTAGE 48% of supply
- MAXIMUM OUTPUT CURRENT 100 mA nominal

Documents / Resources

	<p>Danfoss KE04104 Valve Drive Amplifier [pdf] Instructions KE04104 Valve Drive Amplifier, KE04104, Valve Drive Amplifier, Drive Amplifier</p>
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References

- [User Manual](#)

[Manuals+.](#) [Privacy Policy](#)

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