**Energy products**

**Servo motor controller**

C159980

60 to 600 vdc valve positioning controller

Meggitt’s high power 60 to 600 VDC motor controller is available for use on a variety of industrial valve control applications. Our latest design continues to prove the precision and high reliability of Meggitt EMA technology.

**Specifications**

- **Function:** Controller for positioning of precision valves used on aero-derivative and frame turbine engines
- **Type:** Digital pulse-width modulated servo-amplifier, with closed loop position control card
- **Physical size:** 8.612” wide, 8.0” high, 12.6” deep
- **Weight:** 13.2 pounds
- **Input voltage:** up to 600 VDC [460 VAC]
- **Output current:** 14 amperes rms, 42 amperes peak
- **Digital input/output:** 0 to 5 VDC
- **Electrical connections:** Terminal strip, AWG 14 to 22
- **Position feedback:** Resolver or encoder
- **Communications:** Protocols – serial port interface RS 232; analog interface 4-20 milliamperes, CAN open, Device Net
- **Ambient temperature:** 0 to 40°C [32 to 104°F]

**Remote installation:** Up to 600 feet wire run length from controlled valve The controller consists of a servo amplifier, a position control I/O card and a power converter packaged in a compact unit with readily accessible interface terminations on its top plate. The servo amplifier is mounted on a cold plate for improved heat conduction when enclosure mounted.

**Key features**

- Exceptional positioning control accuracy and speed when used with Meggitt precision control valves
- Designed for control of high speed 3-phase brushless dc servo motors
- Designed for use on both DLE and SAC turbine engines
- Extensive built in test information, programmable tuning, graphical user interface
- No maintenance required under normal conditions
- Available options: EMI filter, heater explosion proof enclosure and environmental enclosure

**Meggitt Control Systems**

Our product competencies & services:
Aerospace valves | Thermal management solutions | Environmental control systems | Electro-mechanical products
Ground fueling products | Energy products | Aftermarket services
Energy products

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Key dimensions

NOTE: ALL DIMENSIONS SHOWN ARE IN INCHES.

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