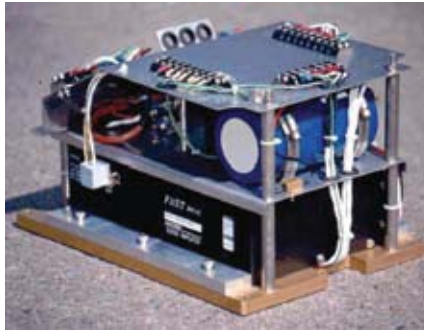


Energy products

Servo motor controller C173455

90 to 140 vdc, metering
valve position control



Meggitt's 90 to 140 VDC motor controller is in use on a variety of industrial gas turbine engines. With millions of field operating hours, this design continues to prove the high reliability of Meggitt EMA technology.

Specifications

Function:	Positioning controller for precision gas fuel metering valves used on aero-derivative and frame turbine engines.
Type:	Digital pulse-width modulated servo-amplifier
Physical size:	9.625" wide, 8.5" high, 13.55 deep
Weight:	25 pounds
Input voltage:	90 to 140 VDC
Input current:	7.5 amperes maximum
Output current:	0.3 ampere (continuous), 7.0 amperes (peak)
Digital input/output:	0 to 5 VDC
Electrical connections:	Terminal strip, AWG 14 to 22
Communications:	C173455 – serial port interface RS-485; C173455-2 – analog interface 4-20 ma
Ambient temperature:	0 to 70°C (32 to 158°F)
Remote installation:	Up to 60 meters (200 feet) wire run length from the fuel metering valve. The controller consists of a servo amplifier, an I/O signal noise filter, and a capacitor, which are packaged in a compact three level unit with readily accessible interface terminations on its top plate. The servo amplifier is mounted on a cold plate on the lower level, and the resistor/capacitor network, inlet EMI noise filter and outlet common mode choke filter are on the middle level.

Key features

- Exceptional positioning control accuracy and speed when used with Meggitt precision control valves
- Designed for control of high speed brushless dc servo motors
- Designed for use on both DLE and SAC turbine engines
- Available in both digital and analog versions
- No maintenance required under normal conditions
- Available with explosion proof enclosure P/N C173465

Meggitt Control Systems

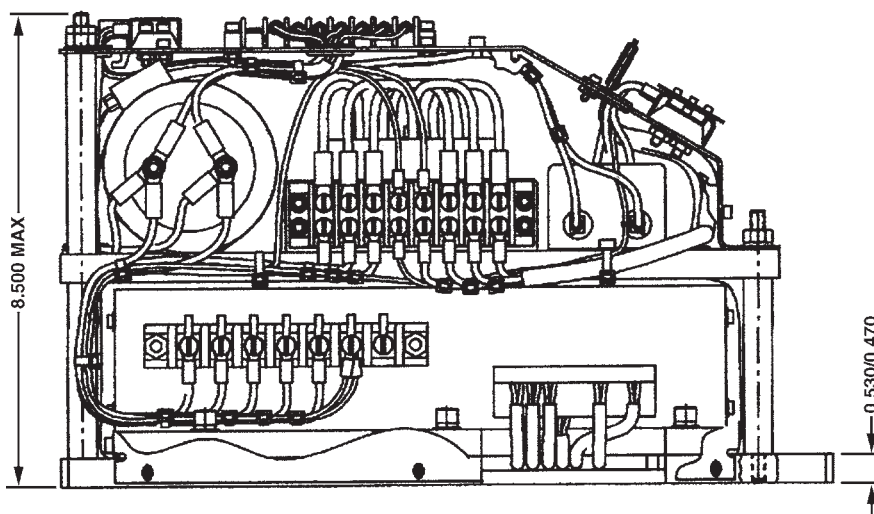
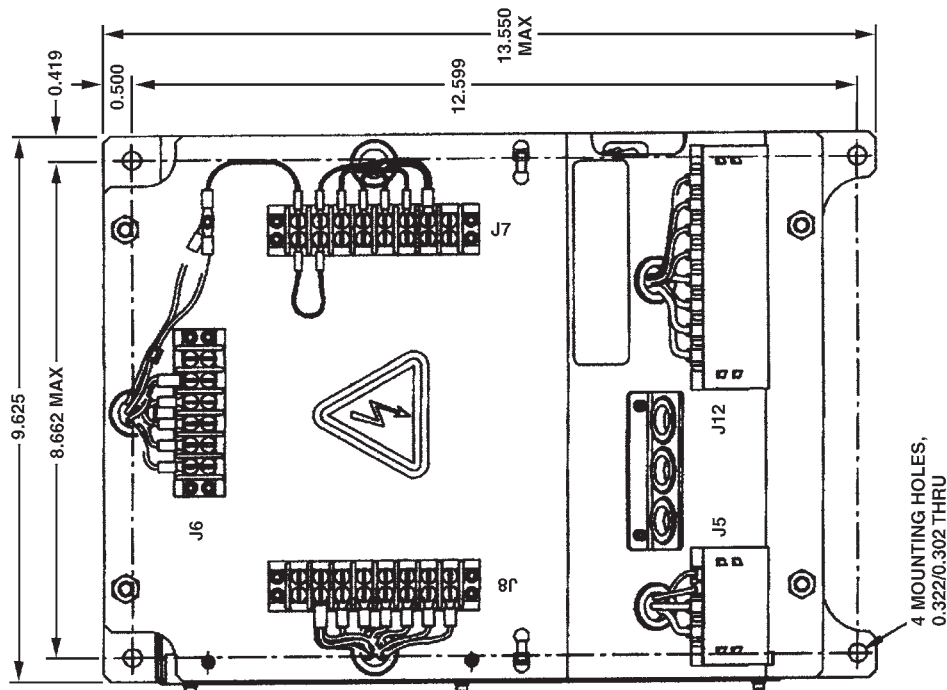
Our product competencies & services:
Aerospace valves | Thermal management solutions | Environmental control systems | Electro-mechanical products
Ground fueling products | Energy products | Aftermarket services

MEGGITT
smart engineering for
extreme environments

Energy products

Servo motor controller C173455

Key dimensions



- Notes:
 1. SHOWN WITH COVER REMOVED
 2. ALL DIMENSIONS SHOWN ARE IN INCHES.

Contact

Meggitt Controls

12838 Saticoy St
 North Hollywood
 California 91605-3505
 USA

Telephone: (818) 765-8160
 FAX: (818) 759-2194

www.meggitt.com

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

MEGGITT
 smart engineering for
 extreme environments