



Type 8500-1100

The PMC Type 8500-1100 Final Servo Driver is a closed loop controller that is designed to drive signals to a servo valve for positioning hydraulic actuators.

It uses a 4 to 20 mA signal for position command and an LVDT signal for position feedback.

FEATURES

- over / under current failure detection alarm contact with a feature that drives the actuator to zero on failures
- non follow up alarm contact output with adjustable set point and time delay
- actuator position output for driving remote indicators
- actuator error output for driving remote indicators
- adjustable zero, span and stability adjustments
- force actuator to minimum and maximum position switches for calibration
- feedback options:
 - half bridge LVDT
 - full bridge LVDT
 - 4 to 20 mA
- 500 V isolated input power supply feeds

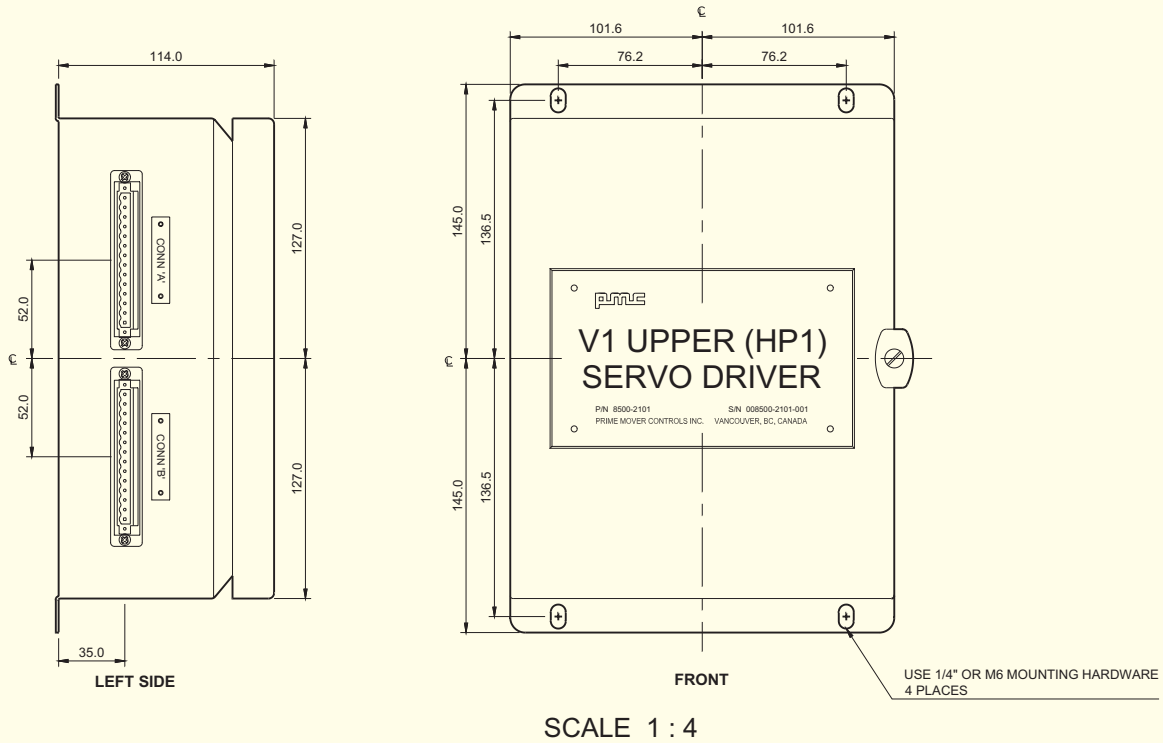
FINAL SERVO DRIVER



PRIME MOVER CONTROLS INC.

SB 8500-1100

DIMENSIONS FOR 8500-1100 FINAL SERVO DRIVER



SPECIFICATIONS:

Supply:

- nominal 24 V_{DC}, range 15 to 38 V_{DC}
- reverse and overvoltage protection to 120 V_{AC}
- ¼ amp quiescent, ½ A nominal
- input power fuse 1 A type ABC1

Output:

- 100 mA max, servo valve
- 10 mA max, actuator position
- 10 mA max, actuator error
- +24 V_{DC}, 5 A max

Environmental:

- Operating temperature -20 to +70°C
- Storage temperature -40 to +85°C
- Vibration: Frequency range 3 to 100 Hz
Velocity amplitude 100 mm/sec below 22 Hz
Acceleration amplitude 0.7 g above 22 Hz

Physical:

- NEMA 12 case
- Dimensions:
290 mm L × 203.2 mm W × 114 mm H
(11.4" L × 8" W × 4.5" H)
- Weight, typical 3.4 kg (7.5 lbs)

Diagnostics:

- 2 x over/under current failure, Form C contacts, 1 A @ 30 V_{DC}
- 2 x non follow up failure, Form C contacts, 1 A @ 30 V_{DC}
- ±15 V_{DC} OK indicators
- failure LED indicators

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