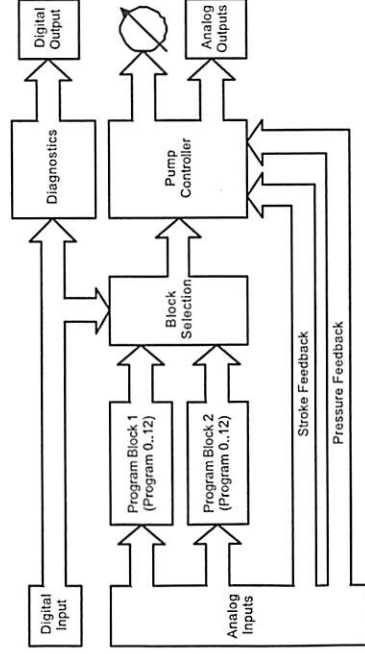


EPC Servo Amplifier Module 100 Series

The Oilgear Automation Systems EPC module is a fully programmable microcontroller-operated controller and amplifier for servo controlled pumps and valves. The unit can be configured for several types of control applications including:

- Flow Control
- Pressure Control or Load Control
- Flow Control with Pressure Limit
- Horsepower Control
- Advanced Control with Feed-Forward

The EPC allows for one (1) single control axis with a power amplifier to drive VS-, VV-, and VM-controlled pumps and valves. The basic pump controller configuration allows for fast (up to 1600Hz) closed loop response with both stroke and pressure feedback. In addition, two (2) independent function programs can be pre-defined and externally selected through a digital input. The EPC is an ideal solution used in conjunction with analog control systems, microprocessor-based control systems, or as stand-alone devices.



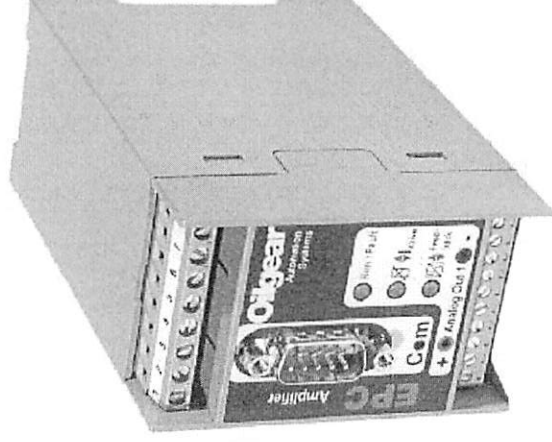
The EPC is programmed through a Windows™ 95/98/Me/NT 4.0/2000 based PC programming interface.

Standard Features:

- Built-in flow, pressure, pressure and horsepower limiting, and load sense control program configurations
- Rail-mounted controller/amplifier for servo controlled pumps and valves

Additional Features:

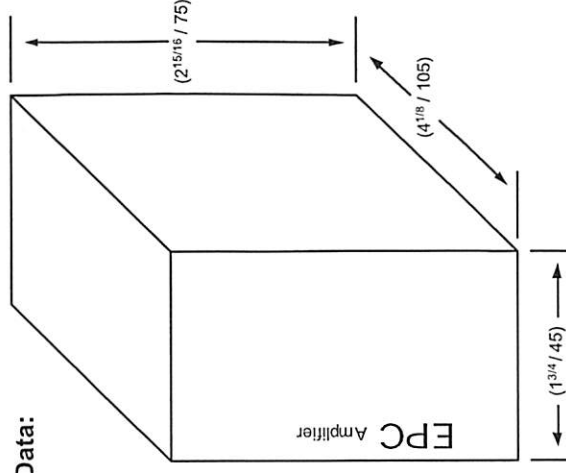
- Built-in diagnostics and troubleshooting
- PC programming and monitoring interface (see Sell Sheet 36261)
- Password protected parameter and program setup



Technical Data:

- Requires a 24vdc power source capable of delivering 1.2 amps
- Designed for fast snap-on assembly to a standard DIN EN 50022-35 mounting rail.
- Up to 1600Hz response
- Fully configuration PI (Proportional, Integral) closed loop pump control
- 1 dedicated LVDT feedback ac input
- 3 general-purpose analog inputs (selectable for ±10VDC, 0-to-20mA, or 4-to-20mA)
- 1 digital input and 1 digital output
- 2 programmable analog outputs (one at terminals and one at front mounted test points)
- EPC1: 1 linear analog output at ±250mA driver
- EPC2: 1 PWM analog output at ±1000mA driver

Physical Data:



Dimensions (in / mm)