

FC-24 Controller

Media Flow Controller

Features

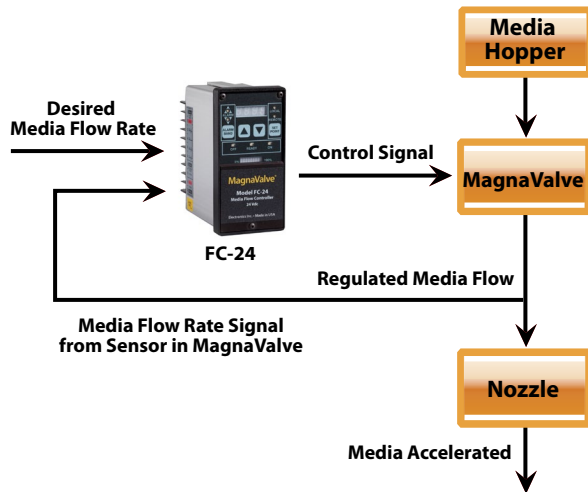
- 24 Vdc
- Monitors flow rate in lb/min and kg/min
- Digital display
- High-low alarm contacts
- Accepts remote command setpoint
- Provides analog recorder output
- Easy panel mounting
- CE compliant

Description

The FC-24 Controller provides a closed-loop system for the MagnaValve®. The MagnaValve and controller provide accurate regulation of media in shot peening and blast cleaning applications where accurate and repeatable flow rates are desired. (See the list of compatible MagnaValves below.) The controller may operate as a stand-alone control or work with a customer's programmable controller via standard analog 0-10Vdc interface. Flow rate signal from the MagnaValve is used as the input signal.

A clear and comprehensive installation manual simplifies installation for the FC-24 Controller. In addition, the product is supported by the Electronics Inc. application engineering staff.

Closed Loop System with the FC-24 Controller and MagnaValve



The FC-24 Controller is compatible with these MagnaValves:

- [500-24](#)
- [579-24](#)
- [700-24](#)
- [576-24](#)
- [580-24](#)
- [70-24](#)
- [577-24](#)
- [590-24](#)
- [578-24](#)

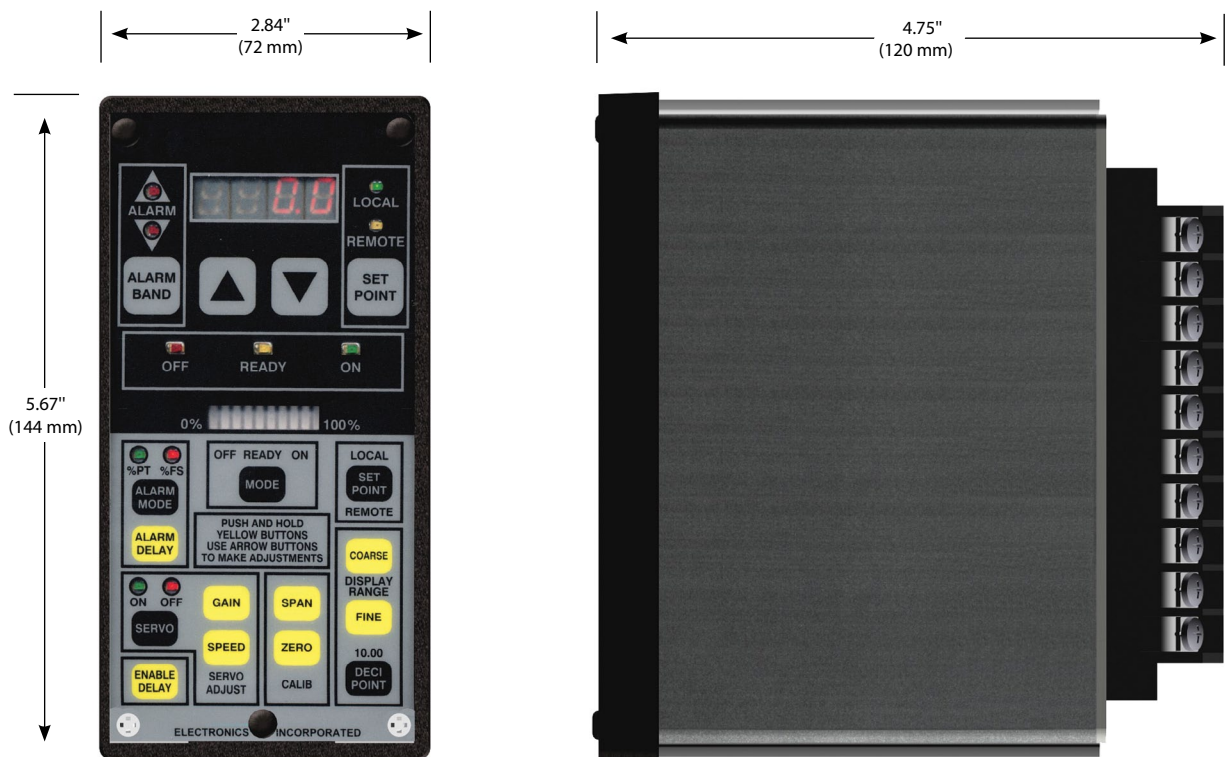


Specifications

Power	+24 Vdc @ 0.5 A
Inputs	
Flow Sensor Input	0 - 10 Vdc into 100K
Outputs	
Servo Output Signal	0 - 10 Vdc
Flow Enable Output	24Vdc at 10 mA

Weight	1.3 lbs
Display Range	0 - 1999 (Expanded range available upon request)
Decimal Points	1000, 100.0, 10.0
Alarm Band	0 - 50% of full scale
Alarm Delay	0 - 10 seconds
Enable Delay	0 - 10 seconds
Temperature Range	0 - 50°C (32 - 122° F)

Dimensions Inches (Millimeters)



Shown with front panel removed

Panel Cutout Dimensions:
2.64" W x 5.35" H (67 mm x 136 mm)



Electronics Inc.
Shot Peening Control