

FC Controller

Media Flow Controller

Features

- 120 Vac
- 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



The FC Controller (right) and 120 Vac MagnaValve (left) work together to provide accurate and repeatable ferrous media flow rates.

Description

The FC Controller provides a closed-loop system for the MagnaValve®. The MagnaValve and controller provide accurate regulation of steel shot 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.

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

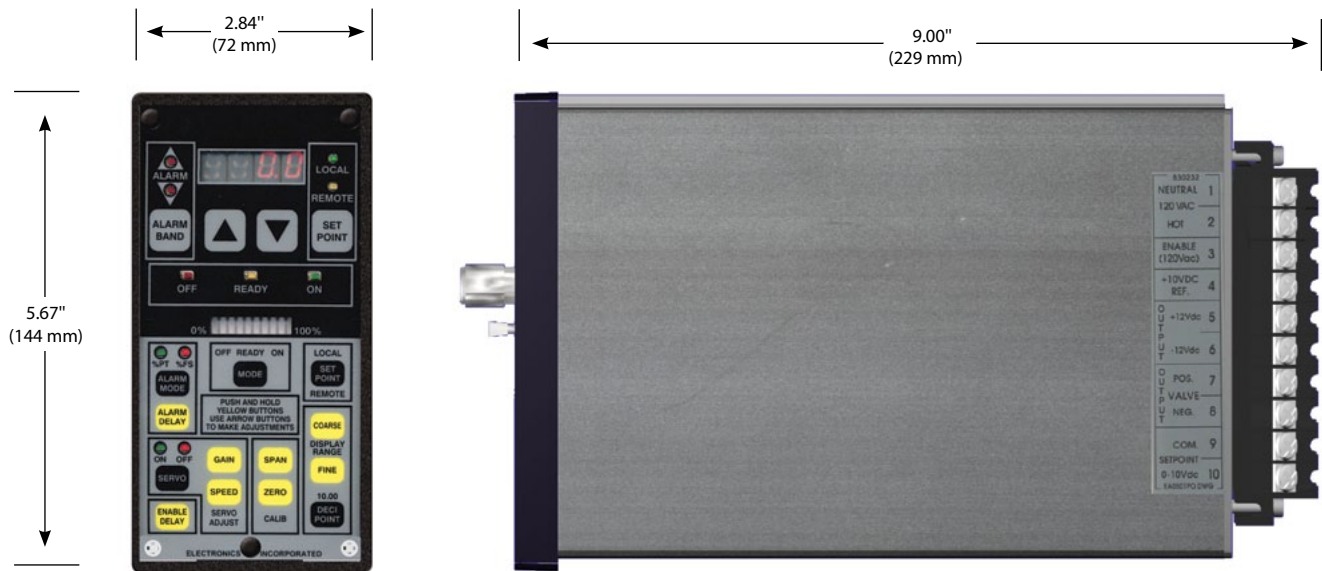
The FC Controller is compatible with these MagnaValves:

- 578
- 579
- 580
- 590
- 250-P
- 500-P

Specifications

Power	115 Vac, 50/60 Hertz 50 VA
Inputs	
Flow Sensor Input	0 - 5 Vdc
Outputs	
Valve Power	50 Vdc PVM at 8-25 Hertz
Excitation Voltage	±12 Vdc @ 100 mA
Reference Voltage	+10 Vdc @ 10 mA

Weight	5 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)



Shown with front panel removed

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