

# MODEL FC-24 FLOW CONTROLLER

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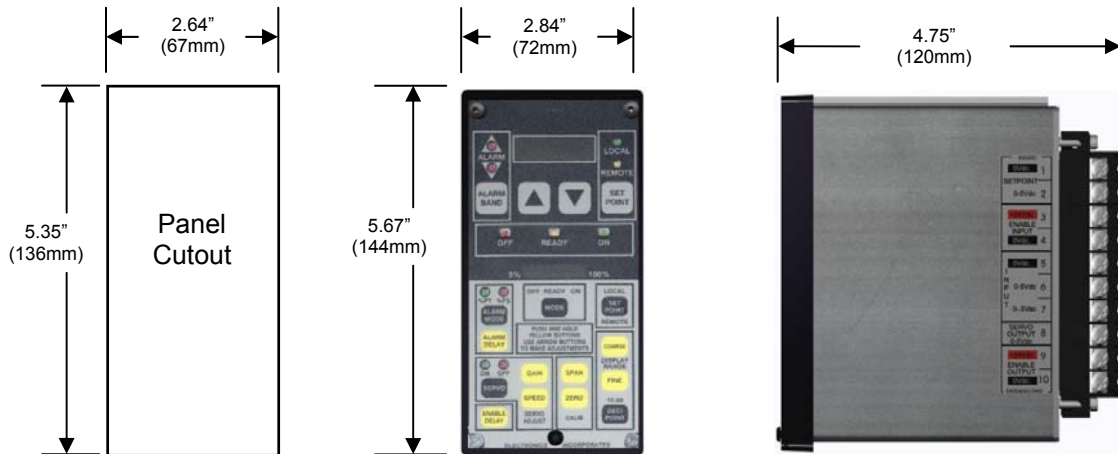


- Large Digital Display
- High-Low Alarm Contacts
- Easy Panel Mounting
- Accepts Remote Command Setpoint
- Provides Analog Recorder Output
- Monitor Flow (lbs/min, kg/min, etc).

The Model FC-24 Shot Flow Controller is a self-contained servo control for accurate regulation of steel shot using a MagnaValve. The control 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.

**ELECTRONICS INCORPORATED**

# MODEL FC-24 FLOW CONTROLLER



Temperature Range: 0-50°C/ 32-122°F

All adjustments are available behind the front access plate

## Specifications

Power:	24Vdc @ 0.5A
Inputs:	0-10Vdc (From MagnaValve Sensor) Remote Command Setpoint (0 -10Vdc) Enable (24Vdc) Alarm Reset (24Vdc)
Outputs:	Servo Output Signal 0-10Vdc Recorder Analog Output (0 -10Vdc) Alarm Relay Contacts (115Vac @ 0.5Amp) Enable output 24Vdc
Weight:	1.3lbs.
Display Range:	0 -1999
Decimal Points:	1000, 100.0, 10.0
Alarm Band:	0 -50% of full scale
Alarm Delay:	0 -10 seconds
Enable Delay:	0 -10 seconds



## Wiring Connections

- |                                   |                               |
|-----------------------------------|-------------------------------|
| 1. 0Vdc                           | 11. 0Vdc                      |
| 2. Remote Set Point input 0-10Vdc | 12. Alarm Reset (24Vdc)       |
| 3. 0Vdc                           | 13. High Alarm Relay Contact  |
| 4. Enable Input (24Vdc)           | 14. Relay Contact Common      |
| 5. 0Vdc                           | 15. Low Alarm Relay Contact   |
| 6. Process Input (0-10Vdc)        | 16. Flow OK Relay Contact     |
| 7. Process Input (0-0.5Vac)       | 17. 0Vdc                      |
| 8. Servo Output (0-10Vdc)         | 18. Recorder Output (0-10Vdc) |
| 9. Enable Output (24Vdc)          | 19. Power (24Vdc)             |
| 10. 0Vdc                          | 20. 0Vdc                      |

Note: Green screw for earth-chassis ground used for shield termination.