

MODEL FC FLOW CONTROLLER

999234.C



- 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 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

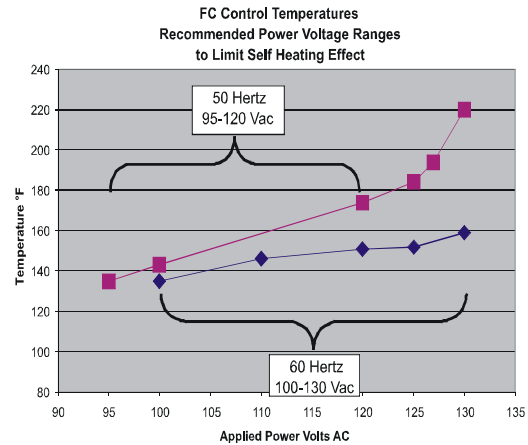
MODEL FC FLOW CONTROLLER



All adjustments are available behind the front access plate

Specifications

Power:	115Vac, 50/60 Hertz, 50VA
Inputs:	0-5Vdc (From MagnaValve Sensor) Remote Command Setpoint (0 -10Vdc) Enable (115Vac) Alarm Reset (115 Vac)
Outputs:	Valve Power 50Vdc PWM at 8-25Hertz Recorder Analog Output (0 -10Vdc) Alarm Relay Contacts (125Vac @ 1Amp) Max. Excitation Voltage ± 12 Vdc (100mA) Reference Voltage +10Vdc (10mA)
Weight:	5lbs.
Display Range:	0 -1999
Decimal Points:	1000, 100.0, 10.0
Alarm Band:	0 -50% of full scale
Alarm Delay:	0 -10 seconds
Reset Delay:	0 -10 seconds
Auto-zero:	$\pm 20\%$ of full scale



Temperature Range: 0-50°C/ 32-122°F

Wiring Connections

- | | |
|-------------------------------------|--------------------------------------|
| 1. Power Neutral (115Vac) | 11. High Alarm Relay Contact |
| 2. Power Hot (115Vac) | 12. Common Alarm Relay Contact |
| 3. Enable Input (115Vac) | 13. Low Alarm Relay Contact |
| 4. (+) 10Vdc Reference Output | 14. Alarm Reset Input (115Vac) |
| 5. (+) 12Vdc Excitation Output | 15. No Connection |
| 6. (-) 12Vdc Excitation Output | 16. No Connection |
| 7. (+) MagnaValve Output | 17. Voltage Input (0-5Vdc) |
| 8. (-) MagnaValve Output | 18. Input Common |
| 9. Circuit Common | 19. Circuit Common |
| 10. Remote Setpoint Input (0-10Vdc) | 20. Recorder Output Signal (0-10Vdc) |

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