

# MODEL AC-24 FLOW CONTROLLER

999330

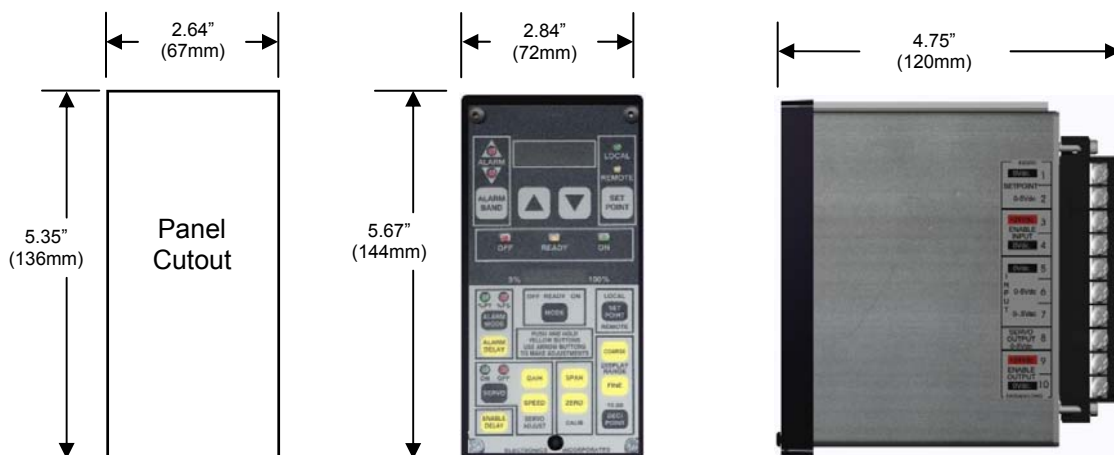


- Digital Display motor amps
- High-Low Alarm Contacts
- Easy Panel Mounting
- Accepts Remote Command Setpoint 0-10Vdc
- Provides Analog Recorder Output 0-10Vdc
- For LP-24 or VLP-24 MagnaValve

The Model AC-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 is regulated to achieve desired motor amps.

**ELECTRONICS INCORPORATED**

# MODEL AC FLOW CONTROLLER



Temperature Range: 0-50°C/ 32-122°F

All adjustments are available behind the front access plate

## Specifications

Power:	24Vdc @ 0.5A ±2Vdc
Inputs:	0-5Aac (From current loop 100:5) Remote Command Setpoint (0 -10Vdc) Enable (24Vdc) Alarm Reset (24Vdc)
Outputs:	Servo Output Signal to VLP-24 (0-10Vdc) Recorder Analog Output (0 -10Vdc) Alarm Relay Contacts (115Vac @ 0.5Amp) Enable output to VLP-24 (24Vdc)
Weight:	1.3lbs
Display Range:	0 -1999
Decimal Points:	1000, 100.0, 10.0
Alarm Band:	0 -50% of full scale or set point
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

\*Controller includes 0.05Ω shunt located at terminals 5-7 for 0-5A current loop. See application note AN169 for more information.

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