

Lock Depot Inc

Securitron AQ Power Supply Guide

Securitron AQ Power Supply Series

The AQ series provides regulated power distribution for multi-maglock and multi-strike installations. Models AQD2, AQD4, and AQD6 offer scalable capacity.

Model Selection

- **AQD2:** 2 outputs, 5A total capacity, suitable for dual-door installations
- **AQD4:** 4 outputs, 10A total capacity, standard for mid-size facilities
- **AQD6:** 6 outputs, 15A total capacity, enterprise-scale deployments

Safety Features

- **Fire Alarm Release:** Fire alarm triggers relay that de-energizes all outputs, unlocking doors
- **Battery Backup:** Optional battery module maintains power for egress-control locks during mains loss
- **Fuse Protection:** Individual fuses per output prevent system failure from single short circuit
- **Supervised Circuits:** Detect open wires, broken connections with supervised monitoring

Wiring Best Practices

Use 18 AWG minimum for control circuits, 12 AWG for power distribution. Separate power and control wiring to minimize EMI. Use conduit for all external runs. Fuse each output within 6 inches of power supply.