AR3 IO Expander

The Next Generation of Commercial Door Control

Extend controller capabilities and simplify integration

The AR3 IO Expander provides additional inputs and outputs to support more complex requirements.

Designed for seamless system integration, it allows you to scale control without adding system complexity. Purpose-built for industrial environments, the IO Expander enables centralized programming, diagnostics, and monitoring directly through the AR3 Controller, eliminating the need for standalone logic or fragmented control systems.

SPECIFICATIONS

- 6 additional single ended inputs
- 2 isolated differential pair inputs
- 4 dry contact relays
- An additional switchable 24V output and ground terminals for accessory power

SEAMLESS AR3 INTEGRATION

Fully integrated with the AR3 Controller for unified programming, real-time status, and system diagnostics — no separate configuration tools required.

EXPANDED CONTROL CAPABILITY

Add additional inputs and outputs to support sensors, signaling devices, interlocks, and auxiliary equipment across more advanced applications.

CENTRALIZED PROGRAMMING

All IO behavior is configured through the AR3 platform, enabling consistent logic, faster commissioning, and simplified troubleshooting

FLEXIBLE APPLICATION SUPPORT

Ideal for multi-door systems, dock operations, airlock configurations, and custom control sequences requiring expanded IO capacity.

REDUCED SYSTEM COMPLEXITY

Eliminates the need for external relays, PLCs, or discrete control panels by consolidating functionality within the AR3 ecosystem.