

Extension Modules By Yorkland Controls

Connector hardware for complete access control

Application-specific Extension Modules™ connect to the Access Controller™ to deliver device connectivity functions in a complete and flexible access control solution.

Designed for quick, efficient, and cost-effective deployment, each Extension Module is constructed for easy mounting and additional protection. The modules connect via RS-485 bus and can be mounted at remote entry points to reduce wire-run costs.



Function-specific Extension Modules connect to the Access Controller

Features and Benefits

- Connected to Access Controller via RS-485 bus for ease of installation
- Maximum run length of 3,000 feet for deployment flexibility
- Ability to draw power from Access Controller or independently by separate power supply
- Reduced wire-run costs with option to mount Extension Module modules directly at entry points

Four Types of Extension Module

Four types of Extension Modules are available to handle a broad range of access control needs.

1. Door Extension Module
 - Accommodates reader, locking mechanism, door contact, tamper, and request to exit
 - 2 Door Extension Module maximum per Access Controller
2. Input Extension Module
 - 12 inputs, 2 outputs
 - 4 Input Extension Module maximum per Access Controller
3. Output Extension Module
 - 8 outputs, 3 inputs
 - 4 Output Extension Modules maximum per Access Controller
4. Elevator Extension Module
 - Output Extension Module that connects to elevator control panel
 - 4 Elevator Extension Module maximum per Access Controller (supports 32 floors per Access Controller, with 4 Elevator Extension Modules per Access Controller)

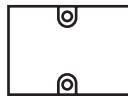
Specifications

The Extension Modules support the following:

Door Extension Module

- Dimensions: 2.7" long x 2" wide x .825" deep
- Mounting: panel mount via 3/16" screw holes on either side
- Operating environment: +32° F. to +120.2° F. (0° C. to +49° C.), indoor use only
- Power requirements:
 - Input: 24VDC @1 amp
- Power limited electrical circuit device
- Wiring: AWG #22 splice leads from potting material
- Maximum run length: 3000 feet with alternate power supply

Dimensions



Door Extension
Module
Width 2"
Length 2.7"
Depth .825"

Input, Output, and Elevator Extension Modules

- Dimensions: 4.37" high x 4 31" wide x 2" deep
- Mounting: panel or 35 mm DIN rail
- Operating environment: +32° F. to +120.2° (0° C. to +49° C., indoor use only)
- Wiring terminals: Screw terminals
- Access to wiring terminals via protective hinged covers
- LED indicators
 - Steady green: on
 - Flashing yellow: 485 bus activity
 - Flashing red: change in state of any Extension Module I/O connections
- Each Extension Module module includes one 4-pin Molex connector for quick connection to the Access Controller
- Input Extension Module
 - 1 DPST and 1 SPST (normally open) relay, both rated to 125VAC or low-voltage DC @ 2 amp
 - 12 binary inputs, limited to +5.2 to -0.2 volts; ESD protected
- Output Extension Module
 - 8 DPST relays rated to 125VAC or low-voltage DC @ 2 amp
 - 3 binary inputs, limited to +5.2 to -0.2 volts; ESD protected

Dimensions



Input/Output
Extension
Module
Width 4.31"
Length 4.37"
Depth 2"

Asset Protection – Complete, Connected, Control.