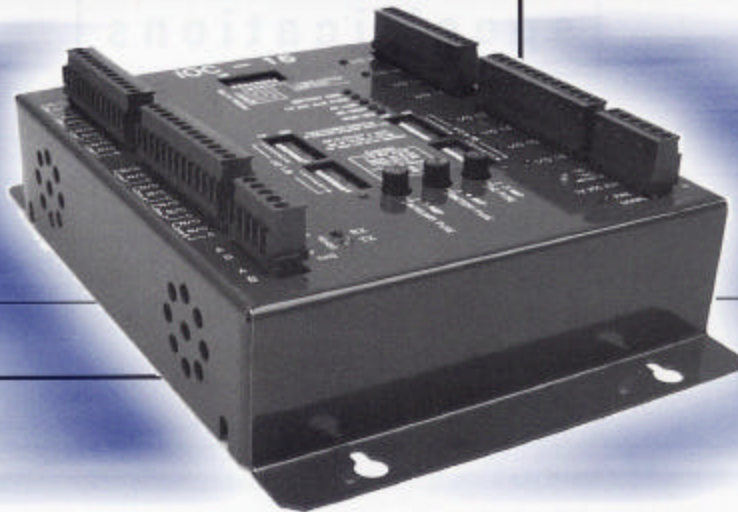


IOC-16 Input/Output Controller



The IOC-16 Input/Output Controller is a part of the Axiom III™ line of access control products from RBH. Its powerful design features address present and future access and security management needs with ease and efficiency.

The IOC-16 is unmatched in flexibility, monitoring, and control capabilities.

FEATURES

- **Fully field configurable**

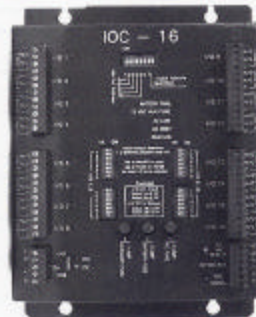
Allows any one of the 16 I/O ports to be used either as an input or an output. The totally flexible software options of the Axiom III™ system allow any I/O port to be linked to any event, or programmed string of system-wide events, without any restriction.

- **Multiple levels of input supervision**

All input points can be individually configured for one of seven levels of supervision, ranging from no supervision to maximum security, dual resistor supervision.

- **Built-in fire signal supervision**

Designed to exceed all levels of safety considerations, the IOC-16 has an independent built-in fire signal safety release, together with an independent installer-selectable failsafe output release for mag-locks.



- Built-in lightning protection
- Plug-in terminal connectors
- Silkscreened terminal legend
- Twenty-eight on board diagnostic LED's
- Elevator Control
- Built-in cabinet tamper
- Rugged Metal Case



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IOC-16 Input/Output Controller

specifications



Controller Power Requirements:	16.5 V AC 40VA transformer	
Current consumption:	500 mA max (With all relays energized)	
Battery Charging Output:	Charging voltage 13.8 V regulated Built-In Deep discharge protection Dynamic load test	
Back-up Battery:	12 V 7 AH Lead Acid or Gel Cell	
Power outputs:	Auxiliary power:	12 V at 1 A (fused)
Fuses:	(Supervised) Battery	4 Amp
	Auxiliary power	1 Amp
	AC power	3 Amp
Inputs/Outputs:	16 I/O Ports Fully Selectable as Inputs or Outputs	
Output Types:	Up to 16 form C relay, SPDT 2A @ 30VDC, dry contacts	
Input Types:	Up to 16 Supervised Inputs Fully Programmable for 1,2 or No End of Line Resistor (1K) Analog Loop resistance measurement and reporting Dedicated Cabinet tamper switch Input Dedicated Fire Alarm Input	
Cable Requirement:	Type:	20-22AWG 2 Conductor
	Distance:	Max 1000 ft. (300m)
Communications:	Speed:	38400 bits/second
Designation: D-NET (Device Network)	Ports:	2 Fully Supervised RS485 Ports.
	Circuit type:	Ring (Short or Open Circuit Protection)
Cable Requirement:	Type:	Shielded Twisted Pair 20 - 22 A WG
	Distance:	3000 ft. (1000m)
On-Board Diagnostics:	Status:	16 x input/output status LED's 1 x Fire Signal Status LED
	Comms:	2 x RX, TX communication LED's 1x Run LED
	Power:	4 x On/Off Status LED's
	Fuses:	4 x Fuse blown LED's
Dimensions:	H9.75in x W6.875in x D3.25in (25 x18 x 10cm)	
Operating temperature:	0 to 70°C (35 -150°F)	
Operating Humidity:	20 to 80% RH (non-condensing)	

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