



IO8 MODULE

- **Control:** elevators, alarm systems and fire control
- **Automate:** lighting, fan control and air conditioning
- **Activate:** turnstile indicators and gates
- **Open:** lockers or doors

8 digital inputs 8 relay outputs

WHO SHOULD USE THE IO8 MODULE?

The IO8 module provides the ability to seamlessly link events occurring in the access control system to actions on a wide range third party equipment. In this manner, tagholder identity can be linked.

PRODUCT BENEFITS:

- 8 inputs and 8 outputs in one module
- Relay output contacts are rated to handle all but the highest current loads
- Inputs all have end-of-line sensing
- Seamlessly compatible with Access Portal software reducing the standard setup issues that most 3rd party I/O modules encounter

The IO8 module provides multiple connect and disconnect options for the customization of your access control system and automation of your building.

Each IO8 module has eight digital inputs and eight relay outputs, giving you the ability to create custom sequences of events.

EOL sensing

The digital inputs feature end-of-line (EOL) sensing that can be configured to raise an alarm if cables are broken or tampered with, for added protection.

Expandable

Up to eight IO8 modules can be combined with a cluster controller, giving you up to 64 inputs and 64 outputs, for unrivalled flexibility and expansion of the system.



Going further

The modules can be installed up to 150m from the cluster controller, using the S-Bus connection, with an additional local power source.

On-site firmware upgrades

Should the unit need to be replaced, you simply unplug and plug in the new unit – meaning zero downtime. The module also includes 16 LED diagnostic indicators.

Backward compatibility

The IO8 module provides backward compatibility with the IXP400 and IXP220 systems, to replace the previously used XIT and XOT units, which are discontinued.

A technical note provides more information on the use of the IO8 module in IXP systems.

Specifications

IO8 MODULE

Model name	IO8 Plastic	IO8 IPS
Product description	IO8 module in plastic housing	IO8 module in IPS box
Part number(s)	HCO900	HCO901
Colour	Black	N/A
Dimensions (d-w-h)	18.6cm x 9.9cm x 5.7cm 7.3" x 3.9" x 2.3"	8.2cm x 38cm x 31cm 3.2" x 15" x 12.2"
Approximate product weight	307 g (10.8 oz)	5.45 kg (12 lb)
Material	ABS plastic	Powder-coated metal box
Electrical specifications		
Input voltage	12 to 15 VDC	
Power requirements at 12 VDC relays off	40 mA current 0.48 W power	
Power requirements at 12 VDC all 8 relays active	240 mA current 2.88 W power	
Power input protection	Reverse polarity and transient voltage protection	
Input specifications		
Digital inputs	Eight	
Input type	Universal dry contact inputs	
End of line sensing (EOL)	✓	
Contact ratings	10 A at 28 V DC 5 A at 220 V AC 12 A at 120 V AC 100 000 operations minimum	
Output specifications		
Number of relay outputs	Eight	
Output type	Relay output: 8 independent, single-pole, double-throw (SPDT) relays	
Relay contacts	NO • COM • NC	
Anti-tamper		
Anti-tamper	One PCB mounted switch	Tamper switch on IPS enclosure
Environmental specifications		
Operating temperature	-25° to +60° C -13° to +140° F	
Storage temperature	-40° to +80° C -40° to +176° F	
Operating humidity	0 to 95% relative humidity non-condensing (at +40° C / +104° F)	
Environmental rating	IP20	IP20 in closed IPS box
Certifications		
CE (EU)	✓	✓
SABS (RSA)	✓	✓
RoHS	✓	✓



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in the access control industry

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