

# ACTpro IOM

## Product Overview

This is an 8 Input and 8 Output device that allows an ACT controller to be used in applications where signalling to other equipment is required. Examples of this are elevator control, alarm systems, CCTV switching applications, I/O Mapping etc.

## Input / Output Module

# ACT

Access Control Technology



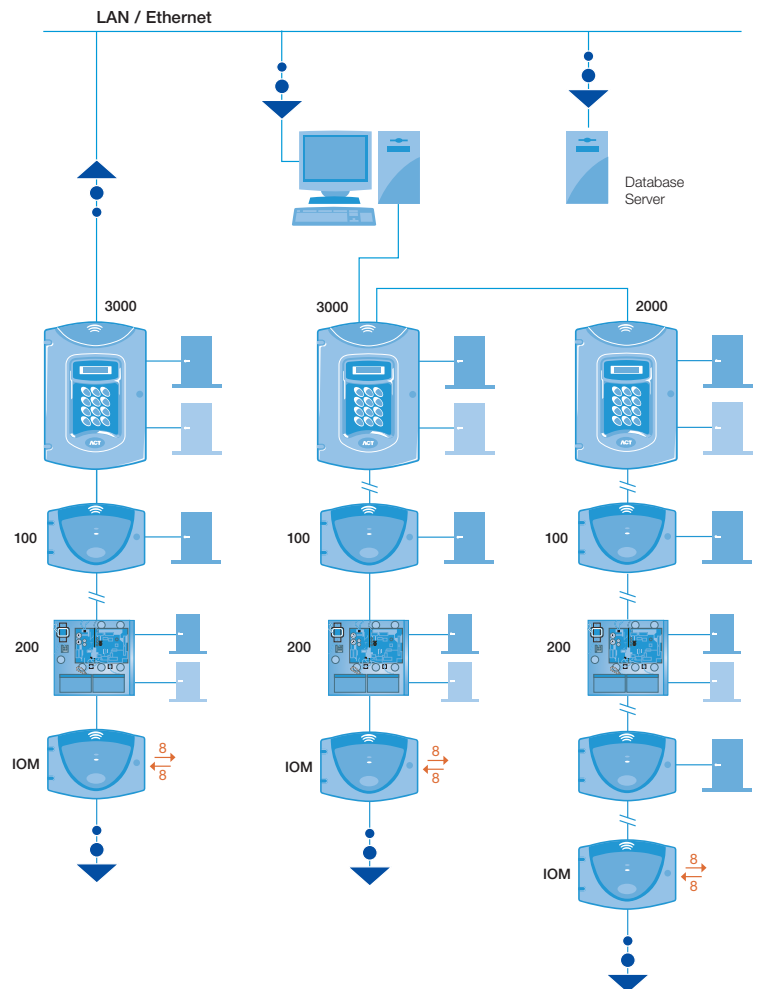
ACTpro IOM

## Main Features

- 8 form C 5 Amp relays
- 8 supervised inputs
- Tamper protection
- 2 status LEDs
- Polycarbonate housing
- Input and output names
- Timer for each output
- Output switched off or on by log event, input, timezone
- ACTWin pro support
- Inputs and outputs Logged
- Normally open/closed
- Inputs monitored by timezone
- Supervised Inputs option

## Installation / Specification Guidelines

- Up to 4 ACTpro IOMs may be connected to each ACT controller bus, giving control of up to 32 inputs and 32 outputs for each controller
- The controllers may be networked via RS485 or TCP/IP to control up to 1000 inputs and 1000 outputs maximum
- The device may be installed indoors only and requires +12V DC



ACTpro IOM module requires a 12 volts DC supply

ACTpro IOM System Schematic

# ACTpro IOM

## Product Specification

Operating Voltage:	12 Volts DC
Current Consumption:	300 mA
Weight:	375 grams
Operating Temperature:	-10 to +50 C
Dimensions (HxWxD):	110 x 190 x 60 mm
Mounting:	Surface
Installation:	Indoor

## Input / Output Module



ACTpro IOM

## Cabling Chart

From	To	Cable	Restriction
ACTpro IOM	Controller	Twisted screen pair or Cat 5	Maximum 1.4km
Reader	Controller	8 core screen	30m at 5volts 100m at 12volts
ACTpro 100/200	Controller	Twisted screen pair or Cat 5	Maximum 1.4km
Controller	PC Direct RS232	Twisted screen pair or Cat 5	Maximum 30m
Controller	Network RS485 interface	Twisted screen pair or Cat 5	Maximum 1.4km
Network RS485 interface	PC	Cable Supplied	Maximum 30m

## Ordering Information

I/O Module	ACTpro IOM
Controller	ACTpro 3000/2000

## ACTpro IOM Applications

### Elevator control

In this application, a user presents a card to the proximity reader when they enter the cab. This enables the buttons for the floors to which the user has access. The buttons stay on for a programmable amount of time (normally 7 seconds) and then switch off. When the user selects the floor, the buttons turn off.

### Alarm Systems

The unit can be programmed to activate a relay on alarm events such as tamper, door forced, mains fail etc. It can also monitor the status of certain inputs and switch an output when the input changes state. All changes are fully logged in ACTWin pro complete with timestamp.

### Building Management

The ACTpro IOM allows ACT controllers to be used in building management applications. It can switch an output to turn on heating or lighting at certain times or only when someone is present. It can also switch off heating when the last person has left the room, saving on energy costs.

### CCTV systems

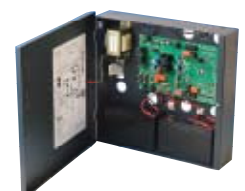
Using an ACTpro IOM allows switching of CCTV cameras when someone enters a room or when access is denied. When used in combination with the Challenge feature of ACTWin pro, the image on the camera may be compared against a pre-stored photo.



ACTpro 3000/2000



ACTpro 100  
Door Expander



ACTpro 200  
2 Door Expander