

## AFO5100 Output Point Module (OPM)

SiPass®  
integrated

- **High Performance Input/Output Controller**
- **Provides up to 16 inputs and 16 outputs**
- **Acts as an Interface Module in an Elevator Access Control System**

The Output Point Module AFO5100 is an advanced, multi-purpose device that provides an interface between field level input and output devices and an **A**dvanced **C**entral **C**ontroller (ACC).

It is designed for use in elevator systems integrated within an access control and security environment. Access control at up to 16 Floors can be facilitated via a single AFO5100, and multiple AFO5100 units can be combined per elevator car.

The Fire Over-ride mechanism allows floors to be made accessible automatically during an emergency situation, a critical feature for sites where legislation requires strict emergency responses.

## Features

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- 16 isolated input connections
- 16 auxiliary relay outputs
- Local anti-tamper input and alarm output
- Communications status LEDs
- Power and Activity LEDs
- Flash memory updateable
- 2 Fire Over-ride relay outputs
- 2 Fire Over-ride inputs
- Support for Enhanced Fire Over-ride

## Description

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The AFO5100 fully supports Fire Over-ride, including Enhanced Fire Over-ride, which allows Fire Over-ride inputs to be supervised for tampering. Attempts to force an over-ride scenario can be detected and an alarm triggered, ensuring that security is never compromised while Fire and Emergency control is maintained.

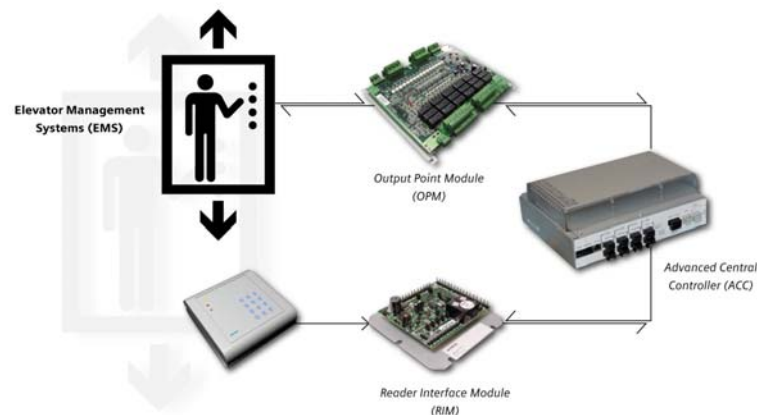
The AFO5100 provides an interface to elevator services by operating in conjunction with an Advanced Central Controller (ACC) to provide access control to floors. Each floor can be programmed with a specific time period during which access is only possible to cardholders with the appropriate permissions.

The Output Point Module is fully programmable with the latest Flash memory, and is able to be updated in the field through the Host system.

## Elevator Architecture

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The ACC registers a card badge at the reader located inside an elevator car and, depending on the access permissions of the cardholder, sends a command to the OPM to enable the corresponding door buttons. The cardholder then presses the button and proceeds to the desired door.



*OPM Elevator Architecture*

## Technical data

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### Power Supply

Operating Voltage	12 VDC +10% / -15%
	24 VDC +10% / -15%
Power Consumption	Max. 10 W

### Communication Interface

1 x ACC/FLN	RS-485, 2-wire
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### Inputs

16 isolated Inputs (externally supplied)	Unsupervised
1 Anti Tamper Input	Internally supplied
2 Fire Over-ride In	Potential-free or passive

### Outputs

16 Relay Outputs	Potential-free 10 A / 30 VDC, 10A / 250 VAC
1 Anti Tamper Output	Open-Collector, 12VDC / 100 mA
2 Fire Over-ride Out	Potential-free 10 A / 30 VDC, 10A / 250 VAC

### Dimensions (L x W x H)

Without housing	267mm x 216mm x 30 mm 10.51" x 8.5" x 1.18"
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### Environmental

Temperature	Operation: 0 °C – 50 °C / 32°F – 122°F Storage: 0 °C – 60 °C / 32°F – 140°F
Humidity	10-90% (non-condensing)

## Details for ordering

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Type	Part no	Designation	Weight
AFO5100	6FL7820-8CC10	Output Point Module including base plate, 12/24 VDC	0,4 kg

Issued by  
Siemens Building Technologies  
Fire & Security Products GmbH & Co. oHG  
D-76187 Karlsruhe

[www.sbt.siemens.com](http://www.sbt.siemens.com)

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Printed in the Federal Republic of Germany  
on environment-friendly chlorine-free paper.

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Document no. **A24205-A335-B117**

Edition 07.2004