

AFO5100

Output point module (16/16) including base plate

SiPass®
integrated

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- **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 AFO5100 is an advanced, multi-purpose module that provides an interface between powered field-level input contact devices (such as elevator buttons) and output devices (such as override mechanisms) to the central controller (AC5100 or AC5200).

It is designed for use in elevators that are integrated within an access control environment. A single AFO5100 can provide access control for up to 16 floors and multiple AFO5100 modules can be combined in an elevator system to provide access control for all floors.

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

Features

- 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
- Two fire override relay outputs
- Two fire override inputs
- Support for enhanced fire override

Description

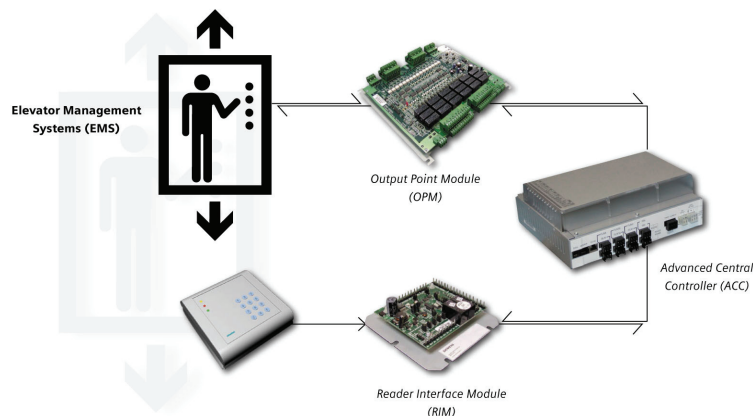
The AFO5100 fully supports fire override, including enhanced fire override, which allows fire override inputs to be supervised to detect any tampering. Attempts to force an override scenario can be detected and an alarm triggered, ensuring that security is never compromised while fire and emergency control is maintained.

The AFO5100 provides an interface to elevator services by operating in conjunction with an advanced central controller (AC5100 or AC5200) 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 AFO5100 is fully programmable with the latest flash memory and can be updated in the field through the host system.

Elevator Architecture

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

AFO5100	
Interface	To controller: RS485
Operating Voltage	12 to 24 VAC ±20 %
Power Consumption	50 W
Inputs	16 x Isolated (unsupervised external voltage required) 1 x Tamper (internally supplied) 2 x Fire override (potential-free or internally supplied)
Outputs	16 x Relays (30 VDC, 2 A) 1 x Tamper (open-collector 12 VDC, 100 mA) 2 x Fire override relays (30 VDC, 2 A)
Firmware	Flash upgradeable
Indicators	Power, Activity, Communication Inputs, Output Peripheral supplies Fire override
Operating temperature	0 to +50 °C
Dimensions (W x H x D)	216 x 267 x 30 mm
Approval	CE, UL294, C-Tick

Details for ordering

Type	Part no.	Designation	Weight
AFO5100	6FL7820-8CC10	Output point module (16/16) including base plate	1.3 kg

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