



## Automatic Door Interface - ADI

### Data Sheet



#### Interface module for connecting automatic doors to access control and fire systems

The Jack Fuse Auto Door Interface (ADI) is designed to mount in the door head and provides a simplified method of connecting access control and emergency services to any automatic door.

#### Applications

- Automatic sliding or swing doors
- Speed styles & gates
- Any other automatic door with an interface to a fire and/or access control system
- Most modern and older style auto doors

#### Features

- Easy connection of door alarms, fit EOL resistors on board and monitor two alarms from the door
- Access control and fire/emergency interface relays with 12 or 24V DC operation
- Fail safe emergency break glass input
- LEDs for interface relay status
- High quality removable connectors

#### Benefits:

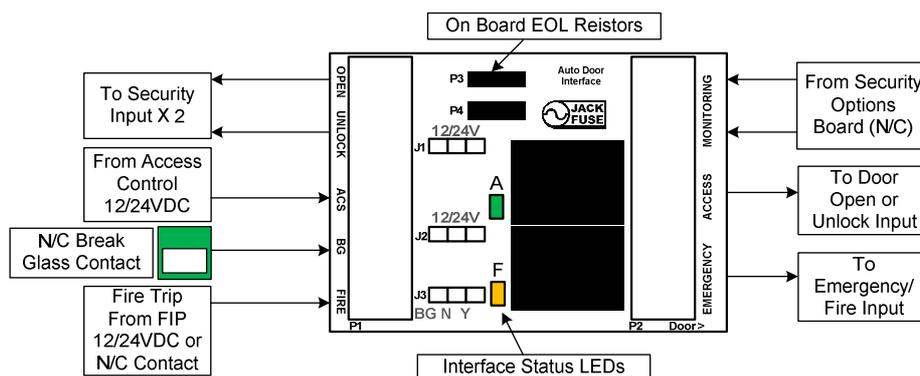
The ADI provides several install advantages for fire, access control and auto door technicians as well as lifetime benefits for the door owner.

The ADI implements a clear division between the different services connecting to an auto door and eliminates the grey area of who is responsible for what that so often causes costly delays in install and break down situations.

Clearly marked terminals allow each individual trade to connect their services without the need for everyone to be on site at once, resulting in a faster and less confusing install. Differently coloured indicator LEDs define the status of the interface relays and allow fast and simple fault finding often without even opening the door head, leading to cheaper service costs for owners. Pluggable terminals can be removed to isolate the connections and allow each service to test their part of the system without relying on other service companies.

#### Termination

The ADI module has two clearly marked connectors, one for connection to the auto door controller and the other for interfacing to the emergency and access control services.



## Door Controller Interface (Auto Door Installer)

The auto door installer is responsible for all connections from the “door” side of the ADI to the auto door controller and/or options board. This includes if applicable the access and emergency outputs and any specified alarm inputs from the door controller (often door locked and door open sensors are used).

## Access Control Interface (Security Installer)

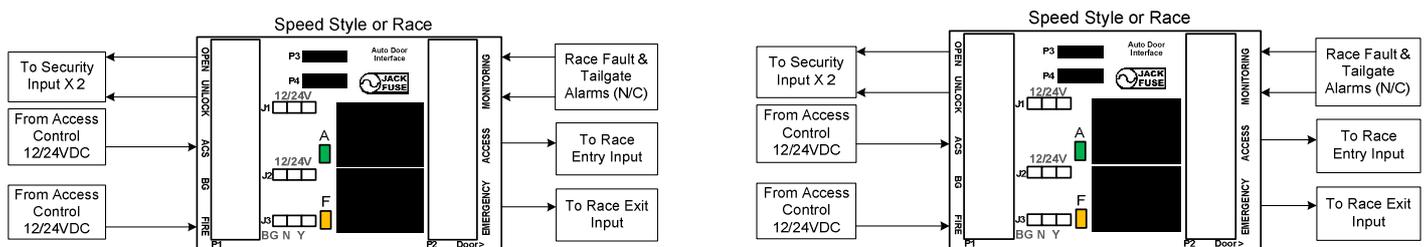
The access control technician will connect the signal from the buildings access control system to the ACS input. The access control system may also monitor the two door alarm outputs via on board EOL resistors fitted by the access control technician. In older doors without these alarms the access control technician may fit their own sensor such as a reed switch.

## Emergency Interface (Fire System Installer)

In most cases the door will require a failsafe connection to the buildings emergency fire detection and/or evacuation system. The fire technician can connect this signal and an emergency exit break glass to the ADI. The break glass can also easily be connected by the door installer or the access control technician.

## Alternative Configurations

The ADI can be used for interface to almost any type of automatic access control device including gates, speed styles, booms and shutters. The ACS and Emergency inputs can also be used as standard interface relays. Some alternative configurations are illustrated below.



## Technical Data

ACS & Fire input voltage	12V or 24V DC
Max current via Access and Emergency contacts	5A
Max conductor size terminals P1 & P2	1.5mm <sup>2</sup> or 14 AWG
Mounting	Screw on Snap Track
Dimensions (with terminals & mounting track)	55 L X 80 W X 33 H (mm)

## Ordering Code

<b>ADI</b>	Auto door interface with mounting track
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## Accessories

Jack Fuse also has an expandable fuse module with built in fire trip relay (PP8FR) that adds hassle free power protection, distribution and fire interface to any access control system. For electric locks Jack Fuse makes a separate lock interface board.

## More Information

For complete install notes, data sheets, more products and technical support please visit [www.jackfuse.com](http://www.jackfuse.com)

