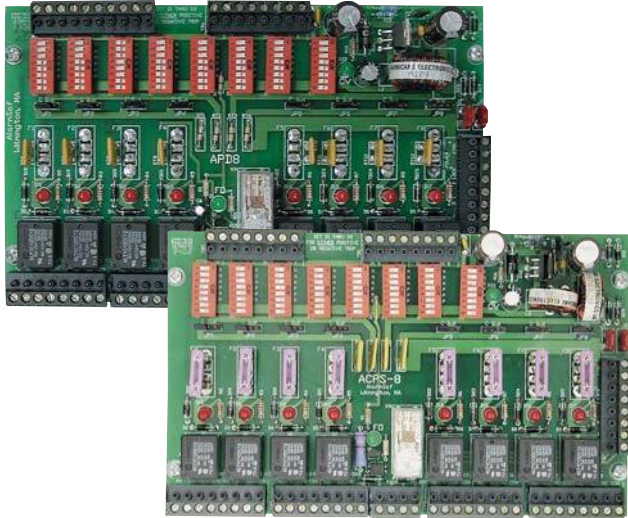# APD8 — APD8F Advanced Power Distribution Boards

The APD8(F) is an Advanced Power Distribution Module that can be combined with AlarmSaf's Beacon Power Supply Line to provide flexible power management for access control system integration applications. The APD(8)F is available with either 8 Class 2, power limited or individually fused, relay-controlled, independently programmable outputs and features a variety of input option modes, latching or non-latching fire alarm interface (FAI) for egress control and visual status indication. Applications include mag lock control, door strike control, reader power, system power, request to exit power and fire alarm interface (FAI) for emergency exit.

MODULE FEATURES

- 8 Outputs, individually programmable for:
  - fail-safe
  - fail-secure
  - form-C relay contact
  - Constant Voltage for auxiliary devices
  - Fire Alarm Interface (FAI)
- Eight inputs, individually programmable for:
  - negative trip
  - open collector trip
  - dry contact trip
  - positive trip
  - isolated trip
- Operates from 12 or 24 V AC or DC input
- Latching or Non-Latching FAI
- Available with Class 2, power Limited outputs
- Lock voltage can be isolated from control voltage

- Visual Status Indication
- Short circuit protection
- Thermal Protection
- Removable Terminal Strips
- Limited Lifetime Warranty
- Agency Listed

MODULE SPECIFICATIONS

Input Specifications
- Input Voltage: 12 or 24V AC or DC
- Input Current: 8 A maximum
- Lock Input Trip Current: 0.03 A per input
- Lock Relay Contacts rated @ 28 VDC, 12 A

Output Specifications
- Total outputs:
  - **APD8 -** 8 Class 2, Power Limited outputs, PTC protected
  - **APD8F –** 8 fuse protected outputs
- Output Voltage: Dependent on Input Voltage

- Total Output Current: 8 A Maximum
- Zone Output Current:
  - APD8 - 1.6 A per output, Class 2, Power Limited, PTC protected
  - APD8F - 3.0 A per output, fuse protected with automotive blade fuses

Temperature Specifications
- Ambient Temperature Range: 0ºC to 49ºC
- Ambient Humidity: 93% at 32ºC

Visual Indicators
- Input Activation: Red LED per output
- Control Voltage Present: Green LED
- FAI Status: Green LED

Mechanical Specifications
- 7.75"L x 4.75"W x 1.25"H

ORDER NUMBER	MODEL NUMBER	DESCRIPTION
02828	APD8F	8 fused outputs advanced power distribution board
02827	APD8	8 power limited outputs advanced power distribution board