

AIM-4

4 Door Reader Interface Module

The AIM-4 provides a complete 4-door reader interface for access control. It interfaces to the AAM-16/20/80 access/alarm controllers and AP-550 master card reader, using the factory's proprietary 2-wire or 4-wire RS-485 communications protocol. Up to 4 AIM-4 interface modules may be connected to each device port of the AAM-20/80 or AAM-32/100.

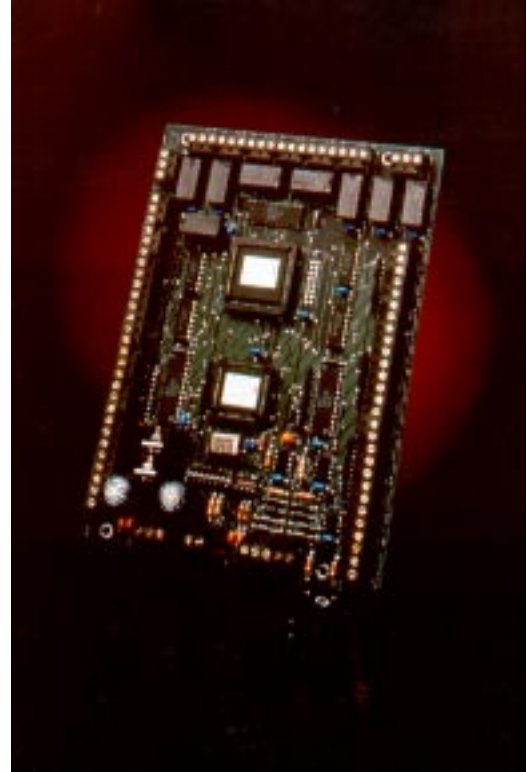
The AIM-4 interfaces to 4 card readers, 4 keypads, or 4 card readers with keypad. It monitors door position, exit push button, auxiliary alarm input, and Wiegand input (Data 0, Data 1) from each door reader. It controls all 4 electric strikes and provides 4 auxiliary outputs. This totals 12 inputs and 8 outputs.

The following card reader technologies are supported by the AIM-4: magnetic stripe (swipe or insert), Wiegand, proximity cards, proximity vehicle tags, biometric devices, bar code, infrared and long range infrared.

Each AIM-4 provides a unique device address and can be multi-dropped with other AIM-4s on the 2-wire or 4 wire RS-485 communications line. The AIM-4 operates from regulated +12 to 24 Vdc or 18 Vac. Quick disconnect connectors provide easy installation and support.

The AIM-4 supports AP-400, AP-501 and AP-502 card readers and the AP-410 keypad. In addition, the AP-400 reader and AP-410 keypad can be connected together to form an integrated keypad reader that occupies only one of the 4 door interface inputs (keypad does not require additional input).

The AIM-4 supports locked/unlocked or facility code access modes should communications with the AAM-20/80 or AAN-32/100 be interrupted.



The AIM-4 provides the following features:

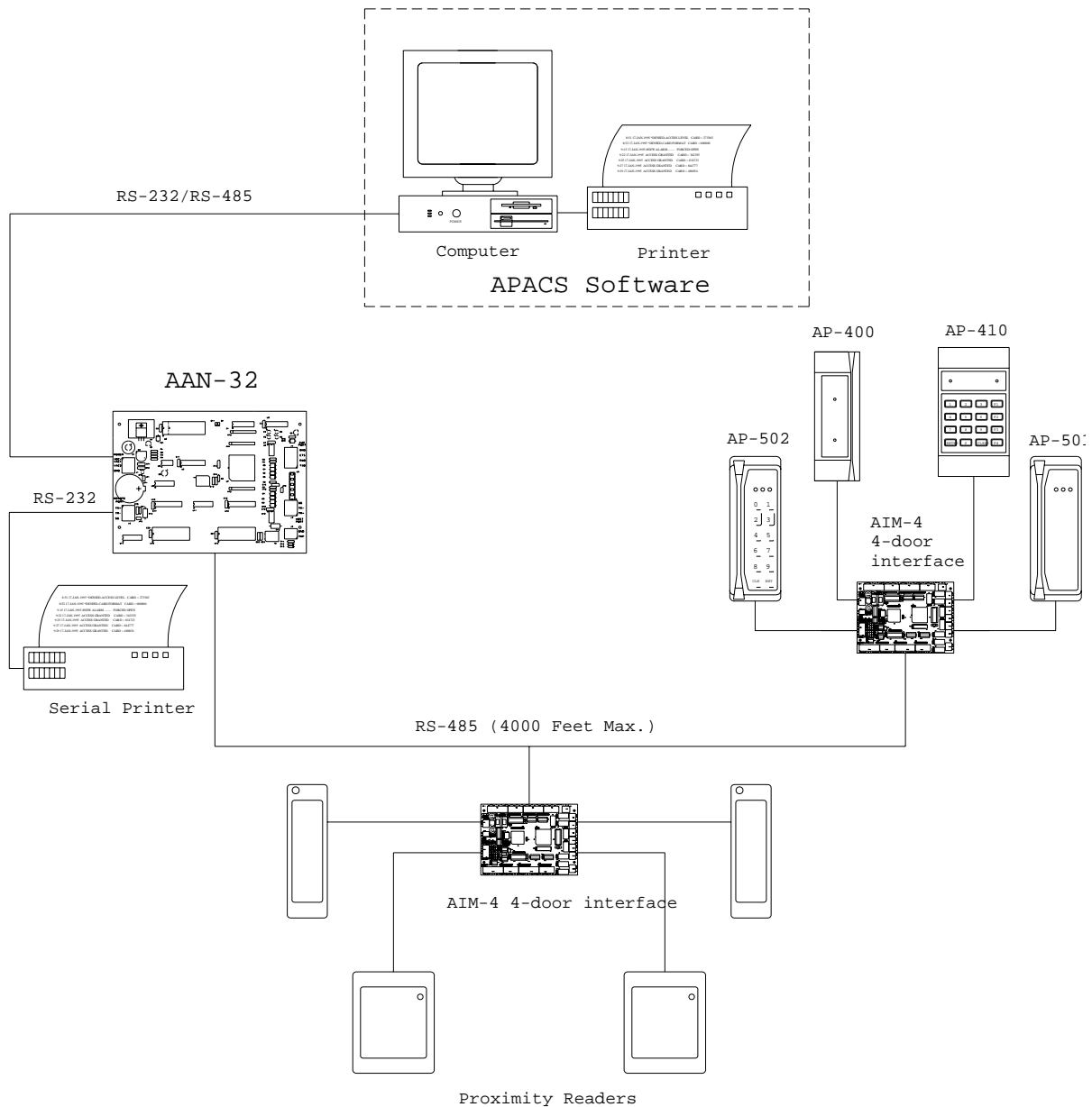
- Supports 4 integrated card reader/keypads
- Monitors position of 4 doors
- Monitors 4 request to exit push buttons
- Monitors 4 AUX inputs (alarms)
- Controls 4 door strike relay outputs
- Controls 4 auxiliary relay outputs
- 8 relays included on module/12 inputs
- Accepts Wiegand inputs from readers/keypads
- Supports 3 access modes on loss of communications: locked, unlocked, facility code
- Low power +12 to +24 Vdc (250mA) or 18Vac
- Multi-dropped 2/4-wire RS-485 operation
- 7.5" x 5.5" (190.5mm x 140mm)



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SPECIFICATIONS

Dimensions:	7.5"L x 5.5"W (19 x 14 cm)
Operating Temperature Range:	32 to 122° F (0 to 50° C)
Humidity Range:	0 to 95%, non-condensing
Power Requirements:	12 to +24 Vdc @ 250 mA (or 18 VAC)
Relay Contacts:	2A @ 24 Vdc, 0.5A @ 125 VAC

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