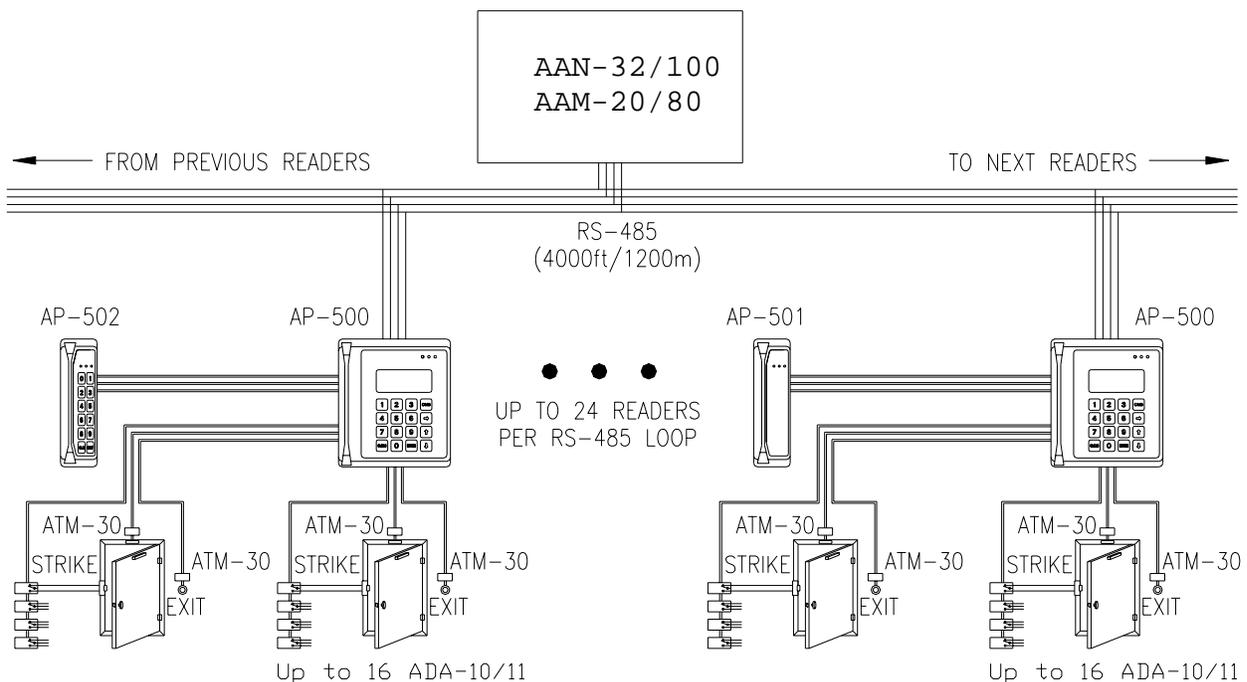# AP-500

Intelligent magnetic stripe card reader with 4-line display/keypad, local database, alarm monitoring, and flash memory

The AP-500 provides an access control system with added security by furnishing a third level of database redundancy. The database can now reside in the card reader mounted at the door, as well as in the host and AAM-20/80 or AAN/100. The AP-500 can accept a full or partial download of the database from the host or AAM, and the user can select which cards should be downloaded.

AP-500 Features:
- 4-line, 64 character backlit display/16 bit processor
- 16 position keypad with audible feedback/3 LEDs
- Attractive die cast metal enclosure
- Digital encoding of strike signals
- Security Lock/Tamper Switch
- Supports two read heads using built-in electronics
- RS-232 and RS-485 multi-drop communications
- Low power +6 to +24 Vdc/surface mount electronics
- Pluggable connectors for simple low cost installations
- Local masking of alarms via keypad/display
- Up to 20,000 cards or 6,500 events
- Battery backed database/configuration/event storage
- Supports database/configuration from host via AAM/AAN
- 128 time zones/6 time intervals per time zone/100 holidays
- Two door operation/detection of forced open/held open (reader 1 or 2)
- Bi-directional card swipe/1 Megabit Flash memory
- 128 access levels with unique authorization and time zones for reader 1 and 2/8 supervised alarm inputs
- Unique time zone per door per access level
- Supports time activated reader mode functions

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ORDERING INFORMATION

Enclosure Finishes

The AP-500 reader has a die-cast aluminum enclosure that is available in a variety of finishes. Use the table below to specify the desired finish. When ordering, add the finish number, preceded with a dash, immediately following the part number.

Mounting Hardware

Mounting hardware for the AP-500 is also ordered as an extension of the base part number. Add -B (for box), or -N (for none), after the finish number.

Note: The AP-500 can be mounted to a dual-gang box. No additional mounting plate is required.

Extended Wear Read Head

The extended wear read head is also ordered as an extension of the base part number. Add -X for the extended wear read head, or -S for the standard (1 million pass) head, after the mounting hardware number.

Example: The complete part number of an AP-500 with a black powder coat finish, a surface mount box, and an extended wear read head would be: 400-100-0-B-X.

Model Number	Part Number	Description
AP-500	400-100	Reader with display/keypad local database
ABX-1	400-640	Surface mounting box
ABX-3	400-660	Special, deep, sealed mounting box
ARH-10	400-500	Extended wear read head (4 million passes)
ADA-10	400-400	Digital receiver module
ATM-30	470-031	Alarm zone terminator
ATM-48	470-030	RS-485 terminator (2 required)

Finish Number	Card Reader Enclosure Finish	Outdoor Use	Added Cost
0	Black Powder Coat	Yes	No
1	Beige Powder Coat	Yes	No
2	Gray Powder Coat	Yes	No
3	Line Grain/Clear Coat	No	Yes
4	Chrome Plate	No	Yes
5	Antique Brass Plate	No	Yes
6	Brass Plate	No	Yes

SPECIFICATIONS

Dimensions:	5.6"H x 4.98"W x 1.5"D (14.2 x 12.6 x 3.8 cm)
Weight:	0.4lb (0.18kg)
Operating Temperature Range:	-40 to +85º C (-40 to +185º F)
Humidity Range:	0 to 95%, non-condensing
Power Requirements:	+6 to +24 Vdc @ 200 mA