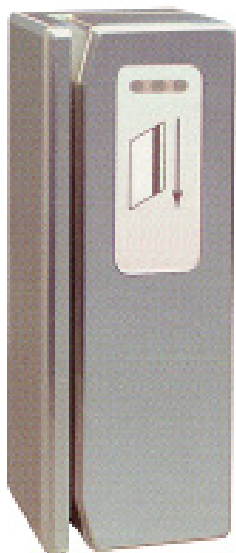




Product Specification Sheet

APS197

Rev. 1 - 01/98



233 Card Reader

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The access control system shall be Alpha Communications®/IEI model 233 Card Reader or approved equivalent. The card reader memory shall have nonvolatile EEPROM memory for up to 60 users. Any ANSI standard Track II encoded magnetic stripe card may be programmed as a user. Built in test feature confirms card acceptability before programming.

Assisted by the door position sensor input, if the card reader system sees the door being opened without a valid user entry, a 1 amp form 'C' relay is energized. This output can be wired to an alarm zone, siren, digital dialer, camera or other device.

The systems propped door relay can be programmed for a 1 to 15 minute time window in which the door may be held open after a valid entry. The system will alert you to any "propped" door by energizing a 1 amp Form C relay. This output may be wired to a siren, buzzer, guard station, camera or any other device.

The lock release relay is rated a 8 amps and is tough enough to handle any locking device. Simple programming allows the output to toggle (by code) or time from 1 to 90 seconds.

233 Card Reader

The 233 Card Reader offers field proven reliability and cost effective solutions for residential, commercial and industrial installations, elegant yet durable, blends with any decor. Designed for compatibility with any electric locking device. The card reader accepts power from any 12-24V AC/DC supply. No separate programmer is ever necessary.

Microprocessor technology fully integrates:

- Lock release timer
- Forced Door Alarm Relay
- Front Programming
- Accepts and ANSI standard Track II encoded magnetic stripe card
- Includes remote programming keypad/secured electronics

SPECIFICATIONS

MECHANICAL

Dimensions:	Reader:
	Height: 4.50" (114.3mm)
	Width: 1.75" (44.4mm)
	Depth: 1.55" (39.4mm)
	Programming Keypad:
	Height: 4.50" (114.3mm)
	Width: 2.75" (69.9mm)
	Depth: 2.50" (63.5mm)

ELECTRICAL

Voltage:
12 to 24 volts AC or DC (selected by jumper)
(Normally used with model **SS106** pigtail or model **T1240** plug-in transformer)

Current:
@12VDC 20mA typical, 50mA worst case
@24VDC 25mA typical, 70mA worst case

Note: keypads using additional relays require an additional 15mA for each relay energized.

Outputs:
Main relay: 8 Amp, Form C@24VDC-10 Amp surge
Alarm Zone Shunting Relay: 1 Amp, Form C @24VDC
Forced Door Relay: 1 Amp, Form C @24VDC
Propped Door Relay: 1 Amp, Form C @24VDC

Wire Distance:
250' between reader and electronics with 22AWG

ENVIRONMENTAL

Temperature:
-20°F to 130°F (-28°C to 54°C)

Due to continuous product improvement, all colors, sizes, materials, finishes and specifications are subject to change without notice.