

OPERATING AND
INSTALLATION MANUAL

Stand-Alone Proximity Access Controller

SA-200



Revision : 02
Date : July 8, 2004

Access Technologies International, Inc.



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July 8, 2004

SA-200 SINGLE DOOR STANDALONE ACCESS CONTROL SYSTEM

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SA-200 SINGLE DOOR STANDALONE ACCESS CONTROL SYSTEM

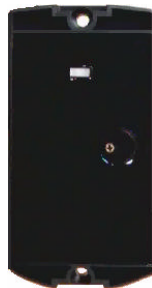
1. Introduction

The SA-200 is an elegant Single Proximity Door Access Controller looking with a read range up to 4". The SA-200 can be mounted to metal door frame (mullion) or to any flat wall surface. The SA-200 is epoxy potted that ensure you a successful operation even in harsh environments.

Two-color LED of green and red, inside Piezo buzzer sound will guarantee you an accurate and reliable Door Access Operation.

2. Identifying supplied parts

- a.- SA-200 Bezel
- b.- Main Module
- c.- PX-A-1 Cards and PK-A-1 Key Tags.



SA-200 Bezel

Main Module

Card and Key tags Instruction

3. Specification

Read Range	Up to 4"(10cm)
Number of User	512 Users with One Master Card
Door Open Time	5 seconds (fixed)
Lock Select	Fail Safe and Fail Secure
Lock Output	DC12V, 1A maximum
Request for Exit	Low active Exit Input
Reading Format	ATI 26 bit Wiegand format
LED/Beeper	2-Color LED (red and green) / Piezo Buzzer
Color	Dark Gray
Power	DC 12V, 60mA
Operating Environment	-35°F~-+65°F (-31°C~ +149°C), 0~90% Humidity
Dimensions (W x H x D)	1.77" W x 3.35"H x 0.65" D or (45mm W x 85mm H x 16.5mm D)
Weight	0.171lb (77.5g)

SA-200 SINGLE DOOR STANDALONE ACCESS CONTROL SYSTEM

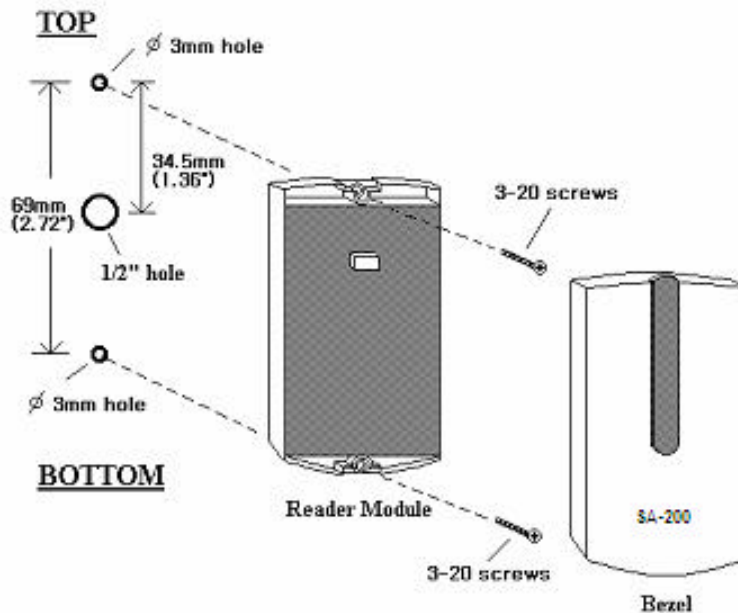
4. Installation

4-1. Mullion/Wall Mount

Drill two 3mm holes 2.72"(69mm) apart in vertical and drill one 1/2" hole for the controller cable 1.36"(34.5mm) apart from the top hole.

4-2. Put controller cable into the center hole and install the controller module by using two 3-20 screws.

4-3. Put bezel into the controller module then push bezel until you hear the locking sound.



Mullion Mount / Wall Mount

5. Wire Color Table of SA-200

POWER

Power (DC 12V)	+12V	Red wire
Power (DC 12V)	0V(GND)	Black wire

OUTPUT

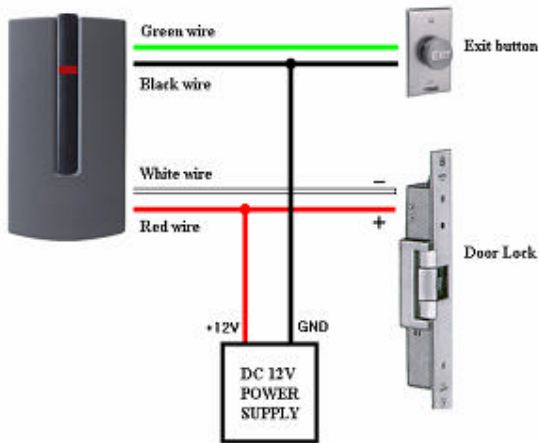
Relay	Door Lock	White wire
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INPUT

Lock Type	Fail Safe/Fail Secure	Yellow wire
Exit control	Egress Button	Green wire

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6. Wire Connection of SA-200



* For “Fail Safe” Lock Type, connect Yellow wire to Black wire.

7. Operation

7-1. Apply power, Red LED will light. No sound.

7-2. Present proximity key tag to the SA-200 until you hear beep sound, Green LED will light and door opens for 5 seconds.

7-3. Press EXIT button for exit, door opens for 5 seconds.

7-4. Add/Delete User’s Card and/or Key tags:

Present Master Card. Green LED will light with 2 beeps sound.

Present Card(s) or Key tag(s) to be Added or deleted. LED will flash to Red once, 3 beep sound let you know the Card or Key tag has been added to the memory and

4 beep sound let you know the Card or Key tag has been deleted from the memory.

Present Master Card again to finish Add/Delete function. Red LED will light with one long beep sound.

7-5. Delete all Cards or Key tags and Add them again:

If you lost the card(s) or key tag(s) and want to delete it, you have to erase all memory and re-Add all valid User’s cards or Key tags again.

Present Master Card. Green LED will light with 2 beeps sound.

Present Master Card again. Red LED will light with one beep sound. (All memory erased)

Present Master Card. Green LED will light with 2 beeps sound.

Present card(s) or Key tags to be added. LED will flash to Red once with 3 beeps sound.

Present Master Card again to finish Add Operation. Red LED will light with one long beep sound.

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8. FCC REGISTRATION INFORMATION

FCC REQUIREMENTS PART 15

Caution: Any changes or modifications in construction of this device, which are not expressly approved by the responsible for compliance, could void the user's authority to operate the equipment.

NOTE: This device complies with **Part 15 of the FCC Rules**.

Operation is subject to the following two conditions;

1. This device may not cause harmful interface, and
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a **Class A Digital Device**, pursuant to **Part 15 of the FCC Rules**. These limits are designed to this equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the radio or television off and on, the user is encouraged to try to correct interference by one or more of the following measures.

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and receiver.
3. Connect the equipment into an outlet on another circuit.
4. Consult the dealer or an experienced radio/TV technician for help.



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9. Warranty and Service

The following warranty and service information applies only to the United States of America. For the information in other countries, please contact your local distributor.

To obtain in or out of warranty service, please prepay shipment and return the unit to the appropriate facility listed below.

IN THE UNITED STATES

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OUTSIDE OF THE UNITED STATES

Visit our WebSite at WWW.ATIACCESS.COM under contacts.

Please use the original container, or pack the unit(s) in a sturdy carton with sufficient packing to prevent damage, include the following information:

1. A proof-of-purchase indicating model number and date of purchase.
2. Bill-to address
3. Ship-to address
4. Number and description of units shipped.
5. Name and telephone number of person to contact.
6. Reason for return and description of the problem.

NOTE: Damage occurring during shipment is deemed the responsibility of the carrier, and claims should be made directly to the carrier.