



SA-500-EN

ioPass

Stand-Alone Door Controller

Features That Make a Difference:

- Up to 5,000 card users
- Use integrated reader, keypad or both
- Integrated or external ioProx proximity reader
- Read range of up to 16.5 cm (6.5 in)
- Easy programming from the keypad
- Higher security provided by a concealed door relay module
- Auxiliary relay to arm/disarm an alarm system
- Audit trail on the unit
- Duress function available
- 10 proximity keytags included
- Six languages programmable from keypad

ioPass is a fully programmable stand-alone access control system that allows entry using proximity technology, keypad, or both, for up to 5,000 users. Compact and surface mountable, ioPass is programmed directly from the unit. The system is available in two models: with an integrated or external proximity reader.

Easy Programming

Programming is performed directly from the keypad with visual confirmation of each operation on the 16-character, 2-line LCD display.

Invalid Password Lockout

To prevent unauthorized persons from gaining password entry by trial and error the system activates an alarm relay and/or automatically deletes the card number after five tries once the option is selected in the system.

Integrated or External ioProx Proximity Reader

Two ioPass models are available. The integrated proximity reader model SA-500-EN is used for indoor installations. The external proximity reader model SA-600-EN provides a vandal and weather resistant feature.

Ideal for small applications, the SA-500-EN model includes a reader hidden behind the keypad while the SA-600-EN, designed for outside applications, includes an external reader that may be wired up to 150 m (500 ft) from the ioPass controller.

Higher Security Provided By Concealed Door Relay Module

The ioPass relay module is separate from the unit and can be concealed inside a wall or ceiling.

Technical Specifications

Typical Read Range¹ Up to 16.5 cm (6.5 in)
 Input Voltage 12 VDC
 Current DC Maximum 300mA
 Display 16 characters, 2 lines, LCD with backlight
 Languages Programmable
 from Keypad English, French, Spanish, German, Dutch,
 Italian
 Dimensions (H x W x D) 15 x 11 x 4.5 cm
 (5.9 x 4.3 x 1.8 in)
 Weight 380 g (13.5 oz)
 Color Gray
 Case Material ABS (UL 94V-0)
 LED Indicator Bicolor (green/red)
 Sounder Piezo
 Operating Temperature 0°C to 50°C (32°F to 122°F)
 Operating Humidity 5% to 95%
 (relative humidity non-condensing)

Maximum Distance Between:

Controller and Proximity Reader . . . 150 m (500 ft), 2 twisted pairs,
 solid conductor
 #22AWG unshielded
 Controller and Relay Module 150 m (500 ft), 2 twisted pairs,
 solid conductor
 #22AWG unshielded
 Relay Module and Power Supply . . . 150 m (500 ft), 1 pair,
 solid conductor
 #18AWG unshielded

Recommended Power Supply 12 VDC, 1A
 Door Contact Input NO or NC selectable
 Request-to-Exit Input NO or NC selectable
 Relay Output
 (Strike Relay, Alarm Relay, Relay-1) . . Form C, NO and NC, 3A, 24 VDC
 Strike Relay Timer 1 to 255 sec
 Alarm Relay Timer 1 to 255 sec
 Relay-1 Timer 1 to 255 sec
 Door Ajar Timer 1 to 255 sec
 Audit Trail On unit, last 385 cards
 Compatible Cards ioProx cards P10SHL, P20DYE,
 P30DMG, P40KEY and P50TAG
 Certifications CE, FCC



Ordering Information

SA-500-EN Stand-alone controller with integrated
 proximity reader
 SA-600-EN Stand-alone controller with external
 proximity reader
 SA-RM56 Additional relay module
 P10SHL Standard ioProx proximity card
 P20DYE Thin ioProx proximity card,
 front/back surface glossy
 for Dye-Sub printing
 P30DMG Dye-Sub card with mag stripe
 P40KEY ioProx proximity keytag
 P50TAG ioProx self-adhesive tag



SA-600-EN

**Reader and cards are not shown to scale.*



P10SHL
Standard Shell Card



P20DYE
Dye-Sub Card



P30DMG
Dye-Sub Card with Mag Stripe



P40KEY
Keytag



P50TAG
Self-Adhesive Tag

(1) Reduced read range with keytag, Dye-Sub card and tag.

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