



**SA-500-EN**

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.

## 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

#### 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.

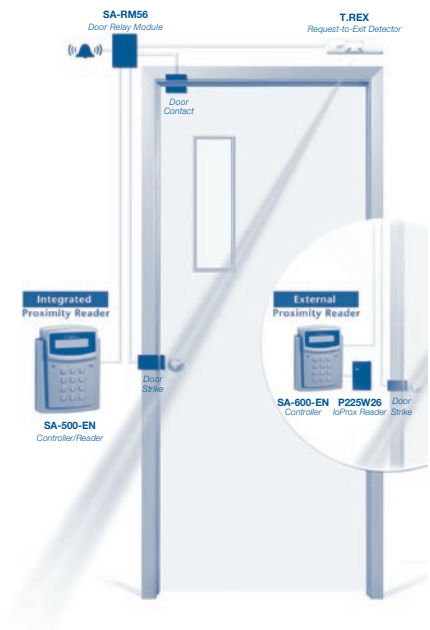
### Technical Specifications

Typical Read Range<sup>1</sup> . . . . . 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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