NS1

Integrated Proximity Door Controller

Honeywell Access Systems has developed a unique integrated proximity reader and door controller system. The NS1 entry-level access control system is designed to operate in a stand-alone or network mode.

The NS1 offers a variety of options unparalleled in an entry-level product. Combined with its small size are powerful functions and programming capabilities. The NS1 is ideal for entry-level applications involving a single or up to eight doors of access control. The NS1 also has the flexibility of migrating to other control panels functioning as a Wiegand proximity reader.

The NS1 offers a sleek bezel design with a choice of three colors: black, charcoal gray and ivory, and has a wide range of compatibility to almost any environment. The NS1 is also fully sealed and capable of mounting inside or outside in most climates.

The NS1 operates in user or installer mode. The user mode allows the customer to add/remove users and manage basic system functionality. The installer mode allows the installing dealer complete control of the customer's system.

The NS1 can be programmed using program master cards for adding and removing users. In addition, the NS1 supports the use of a wireless keypad for advanced programming and PC based software for complete system functionality including event reporting.

FEATURES

Main Features

- Stand-alone or network up to eight units together

- Up to 5,000 tag memory

- Up to 2,300 event storage

- Real-time clock

- Two access levels

- Programmable via master program cards

Additional Features

- Includes three colored bezels: black, charcoal gray and ivory

- Card and PIN option

- Timed anti-passback

- Door contact input

- Egress button input

- Forced entry output

- Lock out/night lock mode

- 1A/30 VDC open collector output

- Flash upgradeable

- 3-5" read range

- Optical tamper switch

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Benefits:

• Single door system

• Expand your systems as your needs change

• Multiple programming options

• Batch load card or keyfobs

• Flexible event reporting capabilities

• Competitively priced

• Three bezel colors to fit most applications

Programming Cards:

• **Program master**
This card allows you to make any card a master card. In addition you can use the Program master to set door lock time and door held open time.

• **Add master**
Allows you to add any card or tag into the system. Present the add master and then the card(s) that you want to add one at a time. When completed, present the add master again and all the cards or tags presented are now valid.

• **Void master**
Allows the user to void any card or tag in the system. Present the void master and then the card(s) that you want to void one at a time. When completed, present the void master again and all the cards or tags presented are now removed from the system.

• **Lock/unlock master**
Present the lock/unlock master to toggle the status of the relay output.

RF Programmer:

• The RF programmer connects via RF and needs no wiring.

• Operates as a programmer or a keypad

• Add/void users

• Set lock/unlock times

• Set time and date

Installer Level Programmer Options:

- Enable PIN code operation

- Add additional keypads

- Create additional master cards

- Set card format type

- Set anti-passback mode

- Enable event printing option

- Copy reader mode

- Program all user level functions

- Copy programmer

NS1 Additional Operation Modes:

• **Public mode**
Designed for gate and vestibule access and other low security access. Public mode allows any EM format card access. There is no limit to the number of cards that the NS1 will recognize in public mode.

• **Private mode**
For higher security, only a single user is allowed access. Once the user has exited by presenting their access card to the reader, another single user may enter.

Designed for vaults, high-security storage, pharmaceutical storage, server rooms and more.
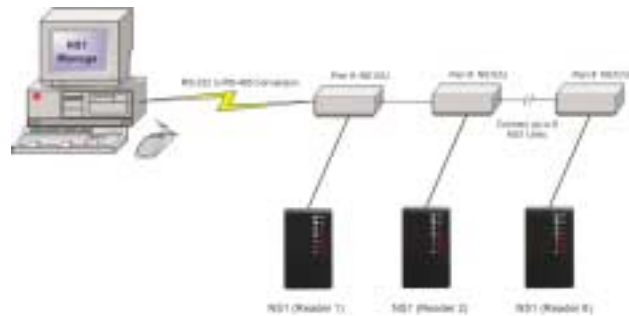
• **Lock out/night lock mode**
Lock out mode will disable all users with the exception of a lock out master card. This application is designed to restrict employee access until a supervisor or manager arrives. Lock mode can also be for inclement weather. The door will not open until a valid lock out master card has been presented.

SOFTWARE SPECIFICATIONS

Network configuration up to eight units using NS1 Manage software

PC Software:

• Optional PC based software allows for complete functionality of the NS1. Included with the PC software are these additional features:

  • Event reporting and printing

  • Add/void user wizard

  • Complete system programming

  • Export database/event history (CSV and XML format)

  • RS-485 mode, connect up to eight NS1 units together

  • Enter user names (max 24 characters per name)

  • Time-zone configuration (two total time-zones supported)

  • Timed anti-passback (1-255 Minutes)

  • Sorting capability allows for quick location of users or card numbers

  • Installer and user modes

  • Flash upgrade reader memory

Software Customization:

Modify the NS1 software for you or your customer:

• Company name

• Company logo

• Software title bar

• Web address link

• Software screen backdrop

Minimum Computer Configuration:

• Pentium II-400 MHz CPU

• 256 megabytes of RAM

• 2.1 gigabyte hard disk

• 15" SVGA color monitor (1024 x 768, True color)

• Supported operating systems:

  - Microsoft® Windows XP Professional

  - Microsoft® Windows 2000 Professional

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SPECIFICATIONS

Dimensions:

3.25" H x 1.89" W x .96" D,
(82.5 H x 48 W x 24.5 mm D)

Operating Temperature:

Operation: 5° F min 158° F max,
(-15° C min 70° C)

Storage: -40° F min 194° F max,
(-40° C min to 90° C)

Humidity: max 100%

Completely sealed for outdoor applications

Power:

Voltage: 12 VDC +/- 5%

Current consumption: 40 mA nominal

Supported Formats:

Cross Point 42 (EM Format)

Cross Point 46 (EM Format)

Certifications

UL294

Communication Interfaces:

RS-485: max eight units, auto switching to stand-alone mode during network failure

Wiegand: 26-bit or 40-bit

Four buffered user I/O's

Tamper switch input

Solid state relay output:
1A/30 VDC, open collector

Pig tail: 9 ft/3 m

ORDERING

Controller and Kits

NS1	Proximity reader controller only
NS1EM1	NS1 with 10 cards
NS1EM2	NS1 with 10 keyfobs
NS1EM3	NS1 with PC software, RS-485 connection unit and 10' PC cable

Hardware Accessories

NS1CU	RS-485 interface with PC software and 10' PC cable
NS1ANT	Slave/remote antenna
NS1PS	12 V, 2.5 AMP power supply
NS1SGM	Single-gang mounting adapter
NS1RE	Range extender up to 18" (500 mm)

System Accessories

NS1MASTER	Set of master programming cards (Program, Add, Void, Lock/Unlock)
NS1PRG	RF programmer or wireless PIN keypad
NS1CARD	10 Pack EM format cards
NS1TAG	10 Pack EM format keyfobs
NS1WRIST	10 Pack EM format wrist tags

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