NexSentry 4102 Controller

32-BIT CONTROLLER
FOR UP TO 2 DOORS

SPECIFICATION DATA

NexSentry 4102 Controller (right) comes with an integrated MIRO daughterboard (left)

KEY FEATURES

- **Two-door controller** for integrated access control systems
- Advanced digital technology
- On-board Intel® 32-bit microprocessor for superfast and accurate control
- 5,600 cardholder capacity
- Independent PIN codes
- Support for multiple access technologies:
    - *Digital Proximity*
    - *Magnetic Stripe*
    - *Smart Card*
    - *Keypad*
    - *Biometric*
- S-Net twisted pair wiring for flexible installation options
- Modular design for future expansion and easy upgrade to NexSentry 4104 / 4108 Controller
- Integrated MIRO 8/4 daughterboard eliminates need for independent MIRO
- Can be wired to accommodate a Wiegand physical interface

Affordable advanced-technology controller

NEXSENTRY 4102 CONTROLLER makes advanced access control technology affordable for growing companies. A two-door controller that can function as either a stand-alone unit or as part of a larger system with multiple controllers or sites, NexSentry 4102 is ideal for small companies that need an advanced access control system and for companies that need to expand an existing access control network.

NexSentry 4102 also provides all of the advanced benefits for which WSE's NexSentry 4100 Series Controllers have become renowned, including: all-digital technology, modular architecture, support for open systems technologies, and easy installation.

32-bit Intel® technology on-board

NexSentry 4102's on-board 32-bit Intel® microprocessor is a giant step in security technology that gives it superfast and accurate control. Other advanced features include: independent PIN entry for each card holder; assignable door lock relays, and optional elevator control.

Modular and open architecture

NexSentry 4102's modular architecture allows flexible system design options for tailoring secure and dependable access control solutions. Support for proximity, magnetic stripe, keypad, biometric, and smart card access control technologies allows for easy integration of custom applications at each door. An optional NexSentry Wiegand Interface Unit (WIU) allows facilities with Wiegand physical interface systems to upgrade to WSE's advanced digital technology, while keeping intact the security network's existing wiring scheme. NexSentry WIU also makes NexSentry 4102 able to operate with many third party readers.

Easy installation

Twisted-pair wiring installation greatly reduces the cost and difficulty of installing an access control system and allows up to a 4,000 foot distance between the controller and its readers. While providing an advanced access control solution, NexSentry 4102 is also economically priced so any organization can implement an advanced multiple technology system at a cost similar to less secure single technology systems.

FEATURES AND SPECIFICATIONS

Control Panel

- Access control locations: 2 doors
- Microprocessor: Intel® 32-bit industrial microprocessor
- Pin Codes: Independent and/or system generated
- Supported control technologies:
  - Digital Proximity
  - Magnetic Stripe
  - Smart Card
  - Keypad
  - Biometric
- Wiring:
  - S-Net RS-485 dual twisted pair
  - Daisy chain with up to 4,000 feet between controller and devices
  - Accommodates Wiegand physical interface
- Architecture: Modular

Database

- Cardholders without names (minimum): 5,600
- Cardholders with names: 2,800
- Access codes: 120
- Time intervals: 128
- Log buffer (controller only): 100
- Log buffer (with host): 2,000

MIRO Daughterboard

- Monitored contacts: 8
- Relay Outputs: 4
- Door Capacity: 2

Specifications

- Board Dimensions: 7 X 15 X 1.5 in. (17.78 X 38.10 X 3.81 cm)
- Humidity: 0 to 95% non-condensing
- Temperature: 20° to 120° F (-7° to + 49° C).

Enclosure options

- Optional Controller enclosure: 16.8 X 7.6 X 2 in. (42.6 X 19.2 X 5 cm)

COMPONENTS AND OPTIONS

- NexSentry 4102 2-door Controller, board only
- NexSentry 4102 Controller in modular enclosure

Communication devices

- CI-1/CI-8
- NexLine
- NexStar
- NexSentry Wiegand Interface Unit (WIU) and Universal (WIU)

Security Management Systems

- NexSentry Command Center
- NexSentry Manager
- SE 5850

Readers

- DigiReader Series Digital Proximity Readers
- DR 4205W Wiegand Reader
- DR 4200K Keypad
- MSR42 Series magnetic stripe/keypad readers
- VIP 2100 Fingerprint Reader

Credentials

- QuadraKey
- NexKey
- DuraKey
- KeyMate
- DuraTag

Power Supplies

- PI-1 (115 v)
- PI-2 (230 v)
- Universal Low-Cost Power Supply

APPLICATIONS

- New systems controlling up to 2 doors
- Expansion of installed systems
- Integrating remote locations via a host station
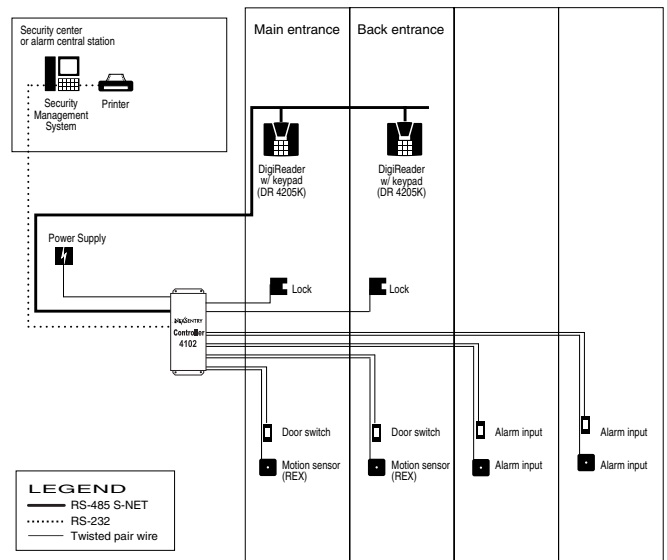
ORDER INFORMATION

USA: 510 360-7902
Intercontinental: 510 360-7894
Europe: 510 360-7850

Model	Order #	Description
4102 Enc	92410200202	NexSentry 4102 2-door controller in modular enclosure
4102	92410200002	NexSentry 4102 2-door controller board only

SAMPLE CONFIGURATION

WSE

The future of access control

Printed in U.S.A. on recycled paper containing at least 10% post-consumer paper fibers