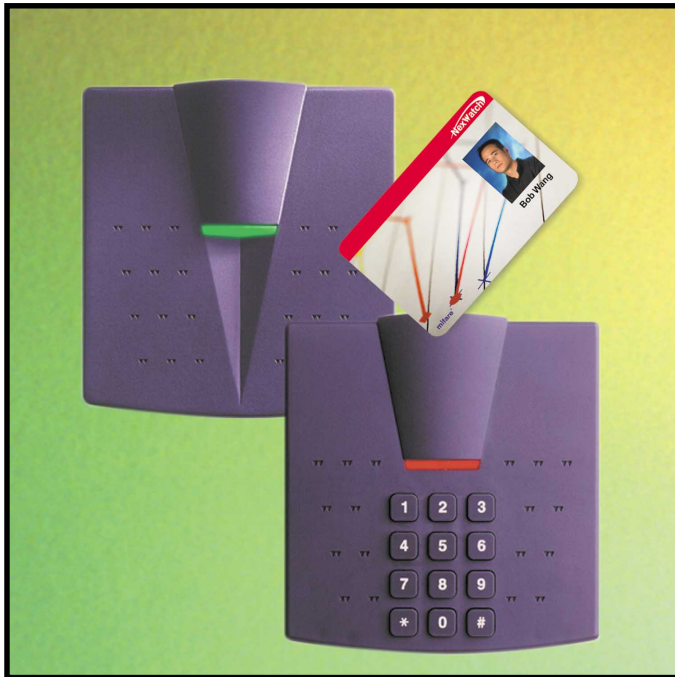


## Proximity Smartcard Readers DR 4205-SC UNIVERSAL MIFARE SMART CARD READER



The **DR 4205 SERIES** brings an assortment of feature-packed DigiReader digital proximity readers into the high level of security and simplicity of any organization. Manufactured by the company that invented proximity access control technology, the DR4205 Series DigiReaders offer the latest advances in proximity Smartcard technology at a price that is competitive with less secure technologies, like magnetic stripe. All DR4205 Series DigiReaders provide several features: hands-free proximity for convenient access, extra level of security due to encrypted communication between reader and smartcard, password protected sectors, audible tones and programmable three-color LEDs for easy access status, advanced engineering for easy installation, and a design that is so attractive it won "Excellence in Design" awards from Business Week and Applied Manufacturing. Flexible options in the DR4205 Series include a proximity reader with an integrated keypad, weatherized versions and a Wiegand proximity reader. The DR4205 acts as the eye of complete access control and security management system solutions from the leading single-source manufacturer in the access control industry. From powerful security management software to advanced controllers, readers and ID credentials, all essential elements of NexWatch's systems are designed tested and built to work as synergistic components of a single system.

### FEATURES

- Advanced-technology digital proximity Smartcard reader with flexible options:
  - Indoor and outdoor versions
  - Integrated keypad
  - Wiegand proximity
- Up to four-inch (10 cm) read range through wallet or purse
- Compatible with Mifare Standard Cards
- Support of various 13.65MHZ card types: Philips Mifare, Philips Mifare Light, Philips Mifare Pro, Philips Mifare ProX, Infineon, SLE55, SLE66CL, Legic, TagIt and I-Code
- High communication and transaction speed
- Anti-collision for multiple card handling
- Mutual authentication between reader and card
- Encrypted data communication on the air interface
- Downloadable communicationn firmware and reader configuration
- Unrestricted access to secured memory sectors
- Multiple card access key handling
- "MAD"=Mifare application directory MAD card file system support
- Easy installation
- Up to 4,000 feet between controller and reader
- Audible tone and programmable three-color LED activity signals
- Supports multi-drop bus or 5-wire Wiegand physical interface configuration
- Resistant to vandalism, weather, and harsh elements
- Low power consumption via S-Net wiring
- Part of a complete system solution
- Manufactured by the company that invented proximity access control
- Award-winning design

\*System dependent

## FEATURES AND SPECIFICATIONS

|                           | DR4205SC   | DR4205SCK  |
|---------------------------|--|--|
| Description               | Proximity SmartCard Reader   | Proximity SmartCard Reader with integrated keypad  |
| Dimensions                | 5.3x5.74x1.27in<br>(13,3x14.6x3.2 cm)                                    | 5.3x5.74x1.5in<br>(13,3x14.6x3.8 cm)   |
| Maximum Read/Write Range* | Mifare Card: 4 in (10 cm)  |  |
| Exciter Field Frequency   | 13.56 MHz  |  |
| Receiver Frequency        | 212-848 kHz  |  |
| Receiver Demodulation     | AM with Subcarrier   |  |
| Card read Cycle           | 50 ms  |  |
| Multiple card reading     | Unlimited; physically: about 10 cards                                    |  |
| Power source              | + 12VDC to + 28 VDC  |  |
| Power consumption         | 3 W max , DCDC conversion  |  |
| Interface to controller   | Dual twisted pair, RS485, S-Net communications                           | Dual twisted pair, RS485, S-Net communications; 26- or 34 bit 5-wire Wiegand standard; NexSentry Wiegand Interface Unit required |
| Indicators                | Single three-color LED (green / amber / red); audible tone; programmable |  |
| Tamper protection         | YES  |  |
| Installation              | Recessed, wall mount, rear wire access                                   |  |
| Operating Temperature     | -20 to + 70°C  |  |
| Operating Humidity        | 10 % - 100 % condensing  |  |
| Weight                    | 320 g  | 350 g  |
| Color                     | Charcoal   |  |
| Case construction         | High-impact Lexan; 94V-2 UL flame Class rating; UV resistant             |  |

\*Maximum read/write range may vary depending on physical environment of installation

\*System dependent



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