

## DR4200 SERIES DIGIREADERS



The award-winning design of the DigiReader Series is merely the most obvious of the features that sets this powerful family of proximity credential readers apart from competition. Engineered and manufactured by the company that invented proximity access control, DigiReader Series Digital Proximity Readers (DigiReaders) use our most advanced Digital Signal Processing technology to generate the longest ranges available for passive proximity, and to assure fast and dependable reads that keep even the heaviest traffic moving quickly through secure areas.

DigiReader Series provides an impressive array of solutions to meet the access control needs of any facility, including: low-cost solutions that are priced competitively with less secure technologies; a DigiReader with an integrated keypad for added security; mullion-mount and glass-mount versions.

Along with providing true hands-free access, DigiReaders communicate cardholder access status and building security mode with programmable audible tones and tricolor lights; these features help facilities meet strict requirements of the Americans with Disabilities Act by making secure areas more access-friendly to disabled card holders.

DigiReader's advanced digital technology is reliable, difficult to compromise and exceeds the most demanding low-power US, European and Asian Electro Magnetic Interference (EMI) regulations. Like all of our access control products, DigiReader is built to last; special construction makes DigiReader nearly impervious to inclement weather and vandalism.

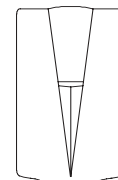
## KEY FEATURES

- Family of advanced digital proximity readers provide flexible, affordable, secure Nexsentry options
- Choose the right model for specific applications:
  - Mullion-mount
  - Glass-mount
  - Low-cost
  - Integrated keypad
  - Extended read range
- "Excellence in Design" winner from Applied Manufacturing and Business Week magazines
- Utilizes our most advanced Digital Signal Processing that meets or exceeds the most demanding low-power US, European and Asian Electro Magnetic Interference (EMI) regulations
- Three-color LED activity and programmable audible tones provide access status and communicates building security modes
- Hands-free technology with audible and visual tones make access easier for disabled, helps facilities comply with Americans with Disabilities Act
- Longest read ranges available for passive proximity
- Fast read times makes access convenient, keeps traffic moving
- Easy installation with industry standard, low-cost RS-485 wiring
- Will read HID digital cards to 43-bit

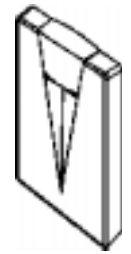
# FEATURES AND SPECIFICATIONS

	DR4200K	DR4201 <sup>2</sup>	DR4203	DR4205 Series	DR4208 <sup>2</sup>	DR4220
<b>Description</b>	DS4205K look-alike, keypad only	Smallest reader for "light switch" type mountings <b>HID compatible</b>	Digital proximity reader for door mullions	Different designs and mounting within series	Digital proximity reader w/ increased read range <b>HID compatible</b>	Digital proximity reader with max. read range
<b>Dimensions</b>	5.3 x 5.74 x 1.5 in./ 13.5 x 14.6 x 3.8 cm	4.75 x 3.25 x 0.65 in./ 12.07 x 8.26 x 1.65 cm	7.5 x 1.9 x 1.2 in./ 19 x 4.7 x 3.1 cm	5.3 x 5.74 x 1.27 in./ 13.5 x 14.6 x 3.2 cm <b>DR4205K</b> 5.3 x 5.74 x 1.5 in./ 13.5 x 14.6 x 3.8 cm	5.3 x 5.74 x 1.27 in./ 13.5 x 14.6 x 3.2 cm <b>DR4208K</b> 5.3 x 5.74 x 1.5 in./ 13.5 x 14.6 x 3.8 cm	14.3 x 12.4 x 1 in./ 36.3 x 31.5 x 2.5 cm
<b>Max. read range<sup>1</sup></b>	N/A	Up to 1.5 in. / 3.75 cm	Up to 3 in / 7.6 cm	Up to 4 in./ 10 cm	Up to 8 in. / 20 cm Up to 4 in (DR4208K)	Up to 20 in. / 50 cm
<b>Environment</b>	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor	Indoor / Outdoor
<b>Transmit frequency</b>	N/A	140 kHz, full duplex operation				
<b>Receiver frequency</b>	N/A	70 kHz				
<b>Receiver demodulation</b>	N/A	Phase-shift key (PSK) signal				
<b>Card read cycle<sup>2</sup></b>	N/A	100 msec				
<b>Power source</b>	12.5-28 VDC, less than 80 mA max, powered via S-Net twisted pair wire	12.5-28 VDC, 50 mA max, powered via S-Net twisted pair wire	12.5 – 28 VDC, less than 80mA. Powered via S-Net twisted pair wire			12.5 – 28 VDC, 0.6 amp nominal, Powered via S-Net twisted pair wire
<b>Power dissipation</b>	Less than 2 watts	Less than 1.4 watts	Less than 2 watts			Less than 17 watts
<b>Interface to controller</b>	Shielded 22 AWG, dual twisted pair, RS-485, S-Net communications, Wiegand.					
<b>Indicators</b>	Single tri-color with buzzer audio indicator (green – yellow – red)					
<b>Tamper protection</b>	Protected against address switch tampering					
<b>Humidity</b>	10 – 90% condensing		10 – 70% condensing		5 – 90% condensing	10 – 90% condensing
<b>Temperature</b>	-31° to 150° F / -35° to 66° C	-31° to 150° F / -35° to 66° C	-31° to 150° F / -35° to 66° C	-31° to 150° F / -35° to 66° C	-31° to 150° F / -35° to 66° C	-4° to 140° F / -20° to 60° C
<b>Weight</b>	Less than 1 lb. / 500 g	4 oz. / 120 g	Less than 1 lb./ 500 g.	Less than 1 lb. / 500 g	1.5 lbs. / 700 g	Less than 5 lbs. / 2.3 kg.
<b>Color</b>	Charcoal					
<b>Certifications</b>	USA & Canada: UL 294 & FCC Part15 B Europe: CE mark Approval					
<b>ADA compliant</b>	Special features for easing disabled access include: hands-free access, audible and visual indicators to indicate access status.					

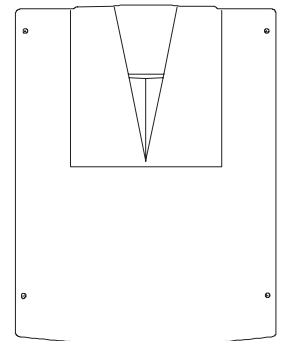
<sup>1</sup> Maximum read range might vary depending on physical environment of installation. See "DigiReader / Credential Read Range Matrix" for approximate read ranges with specific credentials. <sup>2</sup> Using keys produced after 7/7/98  
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DR4208K



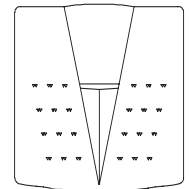
DR4201



DR4220



DR4203



DR4205/08

\* Not to scale, for appearance only. See "Features and Specifications" matrix for dimensions.

## DigiReader/Credential Read Range Matrix

	QuadraKey	NexKey	2Smart	KeyMate	HID / to 43 bit
<b>DR4201</b>	Up to 1.5 in / 3.75 cm	Up to 1.5 in / 3.75 cm	Up to 1.5 in / 3.75 cm	Up to 1 in / 2.5 cm	Up to 1.0 in
<b>DR4203</b>	Up to 3 in / 7.6 cm	Up to 3 in / 7.6 cm	Up to 3 in / 7.6 cm	Up to 1 in / 2.5 cm	N/A
<b>DR4205</b>	Up to 4 in / 10 cm	Up to 4 in / 10 cm	Up to 4 in / 10 cm	Up to 2 in / 5.0 cm	N/A
<b>DR4208</b>	Up to 8 in / 20 cm	Up to 8 in / 20 cm	Up to 8 in / 20 cm	Up to 4 in / 10 cm	Up to 1.5 in
<b>DR4220</b>	Up to 20 in / 50 cm	Up to 20 in / 50 cm	Up to 20 in / 50 cm	Up to 10 in. / 25 cm	N/A

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