

PROXIMITY READERS

THE INNOVATIVE RANGE OF PROXIMITY READERS SUPPLIED BY NORTECH ARE IDEAL FOR VIRTUALLY ALL ACCESS CONTROL APPLICATIONS. THE SINGLE PIECE CONSTRUCTION PROXIMITY READERS PROVIDE MAXIMUM READ RANGES OF 100mm, 120mm AND 300mm. AVAILABLE IN A RANGE OF COLOURS AND HOUSING STYLES, THE ELECTRONICS ARE SEALED IN UL® APPROVED EPOXY POTTING MATERIAL, MAKING THEM VANDAL AND WEATHER RESISTANT. THESE READERS CAN OUTPUT DATA IN WIEGAND, MAGNETIC STRIPE OR SERIAL DATA FORMATS, MAKING IT SIMPLE TO UPGRADE EXISTING SITES TO PROXIMITY USING WIRING ALREADY IN PLACE.



PROXIMITY READERS



Choice of housings



VPB603
Vandal proof
proximity reader



MCR403

Features

ASR603/610

- Single piece construction
- Factory programmed
- Easy installation
- Weather resistant & Vandal resistant
- Output data in Weigand, Magnetic stripe or serial data formats
- Advanced performance features:
 - Quickflash
 - Self test
 - Watchdog output
- Smart card readers also available

MCR403

- Proximity RFID technology
- Indala ASP and Keri MS compatibility
- Beeper and four-state LED
- Output data in 26-bit Wiegand
- Slim, compact profile
- Configurable via Control Cards
- Read range up to 100mm
- 5-14V DC operation

Additional Features

ASR603

- Read range up to 120mm
- Fully potted electronics
- 4-16V DC Operation
- Compact Modular Design
- No extra power supplies
- Mounts on metal door frames (mullions)

ASR610

- Read range up to 300mm
- Fully potted electronics
- 4-16 VDC operation
- Compact modular design

Applications

- Building access control
- Personnel identification
- Car parking
- Physically challenged access applications
- Concealment behind or within thick building materials



TECHNICAL SPECIFICATIONS

ASR603 (Slim)	
Size: (mm) (standard housing)	114 x 44 x 22
Read range:	Up to 120mm
Input voltage:	4-16V DC at reader
Current Draw:	Off Metal: 65mA @ 12V 86mA @ 5V DC On Metal: 86mA @ 12V 7mA @ 5V DC Maximum: 96mA @ 12V 100mA @ 5V DC
Reading time: (26bit)	200ms
Frequency:	125 kHz (excitation)
Operating Temp:	-35°C to +65°C
Audio tone:	Standard, independently controlled (not tied to LED function)
Self-test, Quickflash Watchdog:	Standard, user configurable
Colour - standard:	Black
Output Formats:	Weigand ABA Track II Magnetic Stripe Serial TTL (requires use of BIL 232/422 Module)

ASR610 (Mid-Range)	
Size: (mm) (standard housing)	130 x 155 x 28
Read range:	Up to 300mm
Input voltage:	4-16V DC at reader
Current Draw:	Off Metal: 117mA @ 12V 70mA @ 5V DC On Metal: 111mA @ 12V 65mA @ 5V DC Maximum: 140mA @ 12V 82mA @ 5V DC
Reading time: (26bit)	200ms
Frequency:	125 kHz (excitation)
Operating Temp:	-35°C to +65°C
Audio tone:	Standard, independently controlled (not tied to LED function)
Self-test, Quickflash Watchdog:	Standard, user configurable
Colour - standard:	Black
Output Formats:	Weigand ABA Track II Magnetic Stripe Serial TTL (requires use of BIL 232/422 Module)

MCR403 (Basic)	
Size: (mm)	102 x 38 x 16
Read range:	up to 102mm
Input voltage:	+5 to +14V DC
Current draw:	95mA typical
Frequency:	125 kHz
Operating temp:	-40oC to +65oC
Audio tone:	Standard
Output format:	Wiegand (26-bit)
LED Indicator:	4-state standard (Red, Green, Amber and Off)

Housing Styles (ASR603/610)	
Standard:	Arch
Optional:	Linear, Wave, Curve
Colours: (standard) (optional)	Black Blue, Grey, White, Beige

Ordering Information	
ASR603	Slim Proximity Card Reader
ASR610	Mid range Proximity Card Reader
ASC121T	Standard Proximity Card
ASK116T	Standard Proximity Key Tag
ISO30	Proximity Cards (suitable for die- sublimation printing)
ISO30-HC	Proximity Cards with Hi-Co magnetic stripe
MCR403	Proximity card reader
VPR603	Stainless steel vandal proof proximity card reader
ARK501	Proximity card reader with built- in keypad. 100mm read range, suitable for external use

Certifications
Complies with FCC Part 15. Also UL 294 approved and CE marked per directive 89/336/EEC. Designed to comply with VDE, BZT, DTI and PTT requirements

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