

**ReaDX**

# Prox Reader (20000 Series)



Readx Prox 20000 multi-modulation readers are user friendly, card only, proximity readers.

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# ReaDX Prox Readers (20000 Series)

The ReaDX Prox Reader 20000 Series is a multi-modulation 125 kHz proximity access control reader supporting ASK, FSK and PSK technology formats.

The ReaDX Prox readers have a read range up to 130mm (5"). The ReaDX Prox Reader provides a Wiegand output allowing the reader to be used in conjunction with a wide range of access control systems. The transmission technique used between the transponder and the reader is Amplitude Shift Keying (ASK), Frequency Shift Keying (FSK) or Phase Shift Keying (PSK) at 125kHz. To ensure the readers can be used with a range of cards they support a range of card reader formats being EM-ASK, Casi-Rusco, HID\* and Motorola/Indala ASP compatible. Custom and proprietary formats can be engineered on request.

The ReaDX Prox reader has a red LED which invites the user to present their card to the reader. The LED changes to green to indicate the card is read. A sounder within the reader enhances feedback by generating a sound, denoting the card is successfully read.

The ReaDX Prox reader comes in the standard version as a ReaDX Cool Grey Mullion reader. To suit a wide range of installation environments alternative reader housings are available as accessories. These accessories are available in ReaDX Cool Grey Wall Mount, ReaDX Charcoal Mullion and ReaDX Charcoal Wall Mount housing. The Wall

Mount has been designed for installation on standard wall mount fittings used for access control applications. The standard version reader is a mullion design for installation on the mullion of an entry way and in areas with minimal wall space.

The reader housing is injection moulded in a high strength, high impact resistant engineering plastic. In addition, the reader electronics are potted with an epoxy resin to enhance their resistance to harsh weather conditions and vandal attack. The ReaDX Prox reader has an Environmental Protection Rating of IP66. This rating means that the reader is protected against water ingress and dust.

\* HID formats are currently not available in all countries. Please check with your supplier.

## ReaDX Prox Readers



Cool Grey - Mullion  
(Standard)



Cool Grey - Wall Mount



Charcoal - Mullion



Charcoal - Wall Mount

### Product codes

R20000 ReaDX Mullion Reader, Cool Grey, ASK, FSK, PSK, Motorola

R20001 ReaDX Mullion Reader, Cool Grey, ASK, FSK, PSK, EM, Casi Rusco, HID, Motorola/Indala ASP

### Accessories

R90021 ReaDX Mullion Reader cover, Charcoal

R90023 ReaDX Wall Mount Reader cover, Charcoal

R90024 ReaDX Wall Mount Reader cover, Cool Grey

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**Technical Specifications**

**ReaDX Prox Reader 20000 Series**

**Dimensions - Mullion**

Width	47 mm (1.85")
Length	127 mm (5")
Depth	25 mm (1")

**Dimensions - Wall Mount**

Width	80 mm (1.85")
Length	127 mm (5")
Depth	25 mm (1")

**Weight**

227 g (8 oz)

**Power Supply**

Voltage	6 – 12 V DC
Current	95 mA

**Temperature Range**

-30° to 65°C (-22°F to 149°F)

**Read Range**

up to 130 mm (5")

Read Ranges will vary depending on mounting surface, card quality and other RF sources.

**Cable Specifications**

Unshielded 18 or 24 AWG

**Max. Cable Length**

to controller (using 24 AWG)	60 m (200 feet)
to controller (using 18 AWG)	150 m (500 feet)

**Data Output**

Wiegand

**Colour Options**

Cool Grey, Charcoal

**Compatible Card Reader Formats**

(Data formats available on request)

Casi Rusco	ASK
EM-ASK	ASK
HID	FSK
Motorola/Indala ASP	PSK
Custom and proprietary formats	By Arrangement

**Disclaimer:**

Whilst every effort has been made to ensure accuracy, neither ReaDX nor any employees of the company, shall be liable on any ground whatsoever to any party in respect of decision or actions they may make as a result of using this information.

In accordance with the Readx policy of continuing development, design and specifications are subject to change without notice.

Contact Readx for a list of approvals and compliance standings.

**ReaDX**



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