

**ReaDX**

# Prox Reader (10000 Series)

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Readx Prox 10000 dual-modulation readers are user friendly, card only, proximity readers.

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The ReaDX Prox Reader 10000 Series is a dual-modulation 125 kHz proximity access control reader supporting ASK and FSK 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) or Frequency Shift Keying (FSK) at 125kHz. To ensure the readers can be used with a range of cards, they support a range of card reader formats including EM-ASK, Casi Rusco and HID\*. 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 access granted. A sounder within the reader enhances feedback by generating a sound, denoting access granted.

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 options.

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 PremierProx 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 certain countries – please check with your supplier.

## ReaDX Prox Readers



Cool Grey - Mullion  
(Standard)



Cool Grey - Wall Mount



Charcoal - Mullion



Charcoal - Wall Mount

### Product codes

R10000 ReaDX Mullion Reader, Cool Grey, EM  
R10001 ReaDX Mullion Reader, Cool Grey, Casi Rusco  
R12000 ReaDX Mullion Reader, Cool Grey, HID

### Accessories

R90024 ReaDX Wall Mount Reader cover, Cool Grey  
R90021 ReaDX Mullion Reader cover, Charcoal  
R90023 ReaDX Wall Mount Reader cover, Charcoal

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**Technical Specifications**

**ReaDX Prox Reader 10000 Series**

**Dimensions - Mullion**

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

**Dimensions - Wall Mount**

Width	80 mm (3.15")
Length	127 mm (5")
Depth	25 mm (1")

**Weight**

227 g (8 oz)

**Power Supply**

Voltage	5.5 – 15 V DC
Current	50 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) .2mm <sup>2</sup>	60 m (200 feet)
to controller (using 18 AWG) 1mm <sup>2</sup>	150 m (500 feet)

**Data Output**

Wiegand

**Housing Colour Options**

Cool Grey, Charcoal

**Card Reader Formats**

(Data formats available on request)

Casi Rusco - 40 bit	ASK
EM - 40 bit, 8 bit facility code, 32 bit card number	ASK
HID - 26 bit, 34 bit, 35 bit, 36 bit	FSK
Custom - (Multi-format i.e. EM, CASI, HID)	(By Arrangement)

**Compliance Standards**



ACN 002132943



All equipment complies with CE, C-Tick and FCC approvals. Please contact Gallagher Security Management Systems for the latest list of approvals. In order to comply with international standards, all ReadX products must be installed following the directions in the installation instructions.

[www.readx.com](http://www.readx.com)

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