nortech

PRODUCT DATA

www.nortechcontrol.com

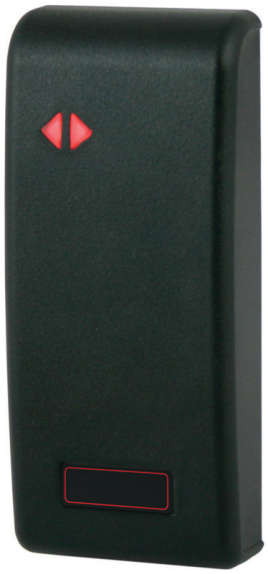
MP1 Mullion Style Reader Series

Product Description

The MP1 series comprises mullion style readers designed to fit most door mullion and architrave profiles. The slender housing design suits most architectural and interior design settings, while the robust ABS polycarbonate construction allows it to be used in most working environments.

The MP1 series is capable of reading a wide range of 125kHz and 13.56MHz type proximity cards and tokens. These may be from Nortech's own extensive range of electronic credentials, existing third party cards and tokens, or a combination of both depending upon the application. Each reader model can support one or more card technologies together with a selection of output formats. The series includes several dual technology models for simultaneously supporting two independent card technologies.

An ideal companion to Nortech's range of access controllers, the MP1 reader series offers the perfect choice of reader for new installations, while the wide choice of supported technologies and interfaces makes it an ideal cost-effective alternative for extending existing third party installations and for supporting the use of existing credentials in new access control applications.



Features

- The series supports a wide variety of technologies to match customers' security requirements and budgets
- Some models simultaneously support two technologies providing a cost-effective means of migrating to a different technology without having to change out equipment and/or credentials
- Supports a range of data output format, making it compatible with most control systems
- Flexible connection options. Can be supplied with cable, pigtail or terminal connectors
- Elegant, low profile, mullion mount housing that can be branded to customers' requirements
- Nortech offers a wide range of cards and tokens to match several reader technologies and applications
- Cards can be read at distances up to 100mm depending upon the chosen technology

Benefits

- Finding the right reader for your application has been made much simpler by combining the flexibility of the reader series with the backup of Nortech's access control and proximity reader know-how
- Easy installation and an elegant design enables installers to add a professional finish to any access control project
- Compatibility with most controllers reduces the cost of upgrades and extensions
- Offers cost savings by enabling existing cards and tokens to be re-used on new installations
- Combined with Nortech's access control systems, a flexible, robust and cost-effective solution can be configured to meet most small to medium access control applications

Specifications

Electrical

Supply Voltage:	5VDC to 16VDC
Current Requirement:	250 mA maximum

Physical

Dimensions (mm):	111 x 49 x 19 (H x W x D)
Colour:	Charcoal grey (standard version)
Material:	ABS polycarbonate
Rating:	IP65 - suitable for outdoor and indoor use

Environmental

Operating Temperature:	-30°C - 50°C Ambient

Connectivity (Standard Version)

Pigtail Cable Length:	300mm
Cable Gauge:	7/0.2, 0.22mm stranded
Conductors:	8 core screened

Operational (Standard Version)

Reading Range:	Up to 100mm depending upon technology and the type of token or card
Audible indication:	Bleeper controlled by host controller (active low)
Visual indication:	Dual colour LED (red/green) Normally red - blinks green when token or card is read. Green when signal received from host controller on the LED line (active low)

LEGIC® innovation in ID technology Dual Prox® mifare®

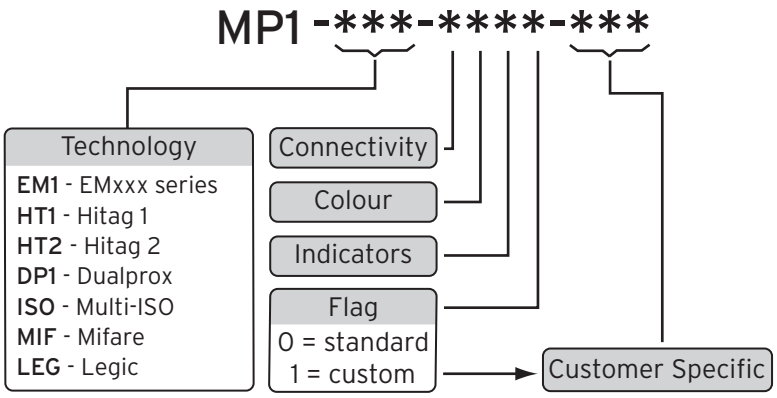
MP1 Mullion Style Reader Series

Standard Product Ordering

Order Code	Technology	Reads as Standard	Connection	Data Output Formats
MP1-EM1-0000	'EM' 125kHz	EMxxx variants, Temic/Atmel and Motorola credentials	300mm pigtail	Reader selectable 26-Bit Wiegand or 10-digit Clock & Data plus RS232 (10 digits at 9600 bauds)
MP1-HT1-0000	Hitag 1	Technogym 125kHz fobs	300mm pigtail	Reader selectable 26-Bit Wiegand or 10-digit Clock & Data plus RS232 (10 digits at 9600 bauds)
MP1-HT2-0000	Hitag 2	Paxton cards and fobs plus EM variants	300mm pigtail	Reader selectable 26-Bit Wiegand or 10-digit Clock & Data plus RS232 (10 digits at 9600 bauds)
MP1-DP1-0000	DualProx	Old style PAC fobs, new 125kHz type PAC cards and fobs plus EM variants.	300mm pigtail	Reader selectable 26-Bit or 44-Bit Wiegand plus PAC compatible serial data
MP1-ISO-0000	Multi-ISO	Serial numbers of 13.56MHz (ISO15693 and ISO 14443A standards) technologies including Legic Avant, Mifare, iCLASS, ICODE and Tag-it 2.	300mm pigtail	Reader selectable 32-Bit Wiegand or 10-digit Clock & Data
MP1-MIF-0000	Mifare	Secure sector from a 13.56MHz Mifare proximity card.	300mm pigtail	Pass-through (format stored on card)
MP1-LEG-0000	Legic	Secure segment from a 13.56MHz Legic Prime or Legic Advant Smart Card	300mm pigtail	Pass-through (format stored on card)

The above models are shipped as standard but there are also a number of variants readily available to match customer requirements. Special variants can be developed upon request to read customer specific card formats and/or carry customer branding.

Product Selection and Part Numbering



Connectivity

0 = Pig Tail
Available with all technologies

1 = Terminal Block
Available on EM, Hitag 1, Hitag 2, Dualprox and Legic readers

2 = Cable 3m
Available with all technologies

Colours

0 = Standard (Charcoal Gey)
1 = Black
2 = White
3 = Chrome

Indicators

0 = LED is red when power connected - blinks green when token or card is read. Green when LED line is pulled low.
1 = LED is red when power connected - blinks off when token or card is read. Green when LED line is pulled low. Bleeper On – bleeps when card is presented and when bleeper line is pulled low.
2 = LED off when power connected. Red when red LED line is pulled low, green when green LED line is pulled low, AMBER when both lines are pulled low. Bleeper On – bleeps when card is presented and when bleeper line is pulled low.
3 = LED is red when power connected. Blips green when card is presented. Green when LED line is pulled low. Bleeper Off – bleeps only when bleeper line is pulled low.
4 = LED is red when power connected. Dims momentarily when card is presented. Green when green line is pulled low. Bleeper Off – bleeps only when bleeper line is pulled low.
5 = LED off when power connected. Red when red LED line is pulled low, green when green LED line is pulled low, AMBER when both lines are pulled low. Bleeper Off – bleeps only when bleeper line is pulled low.

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