



EM2100P PANEL MOUNT PROXIMITY READER

PRODUCT DESCRIPTION

The EM2100P reader designed and manufactured by Nortech Control Systems Limited reads Nortech's own range of 125kHz type proximity cards and tokens as well as cards and tokens supplied by several access control equipment suppliers. The data output format can be set by the installer to either standard 26-bit Wiegand or Clock & Data (ISO2). An RS232 output option is also provided.

An ideal companion to Nortech's range of access controllers, the EM2100P is the perfect choice of reader for new installations where compatibility with existing equipment isn't necessary. However, its compatibility with many standard access controllers as well as several 125kHz proximity cards and tokens also makes it a very competitive option for replacing/complementing existing equipment.

The panel mount reader is suitable for fitting behind standard door entry panels.



SPECIFICATIONS

Electrical

Supply Voltage:	6Vdc to 24Vdc
Current Requirement:	< 70 mA

Physical

Dimensions (mm):	55 x 55 x 16 (H x W x D)
Material:	ABS Plastic
Rating:	IP66 - suitable for outdoor and indoor use
Mounting:	Mounting hole centres 48mm, fits standard door entry panels

Environmental

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

Wiegand:	Standard 26-bit Wiegand
Clock & Data:	ISO2 Clock & Data
RS232:	10 digits at 9600 bauds

Connection

Pigtail Cable Length:	0.5m
Cable Gauge:	7/0.2, 0.22mm stranded
Conductors:	8 core screened

Operational

Reading Range:	Up to 80mm depending upon the type of token or card
Buzzer Operation:	Controlled by host controller (active low)
LED Operation:	One tricolour LED, normally red - blinks when token or card is read Changes to green when signal received from host controller on the LED line (active low)

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Connection Details

RED	+V
Black	0V
White	Data 1/Clock
Green	Data 0/Data
Blue	RS232 serial data
Yellow	LED
Orange	Select Wiegand output (to +V) or Clock & Data output (to 0V)
Brown	Not used

Alternative Products

DP2200/P	Panel Mount <i>DualPROX</i> ® reader
EM2100/SL	Slimline proximity reader
DP2200/SL	Slimline <i>DualPROX</i> ® reader

Ordering Information

EM2100/P	Panel mount proximity reader
NP-Card-PK	Pack of 10 randomly numbered proximity cards blank on both sides, suitable for die-sublimation printing
NP-Card-RND-xxx	Randomly numbered proximity card with custom artwork
NP-Fob-RND	Randomly numbered proximity key fob
NP-Fob-RND-xxx	Randomly numbered proximity key fob with custom artwork
NP-Card-S	Sequentially numbered proximity cards blank on both sides, suitable for die-sublimation printing
NP-Card-S-xxx	Sequentially numbered proximity card with custom artwork
NP-Fob-S	Sequentially numbered proximity key fob
NP-Fob-S-xxx	Sequentially numbered proximity key fob with custom artwork

Please contact BC Technology Sales or Sales Support departments for placing orders or further information

Tel: 01933 405050 Fax: 01933 405454 Email: sales@bctechnologyltd.co.uk