

Ins-30089 OEM PROXIMITY P200 & P200E metal mount reader EM4100 Wiegand Output

Suitability	P200	P200E metal mount
Wet environments	✓	✓
Mounted on metal surface	✗	✓
Security-sensitive doors	✓	✓
Readers mounted together	500mm between readers	500mm between readers

Overview

The P200 is a standard P series reader with a much larger coil to give the increased read range desired. This larger coil makes it unsuitable for mounting the reader directly onto metal surfaces, posts, etc as the radio field becomes distorted and the read range greatly reduced. Its slim design makes it ideal for use inside the building, especially where disabled access is a requirement.

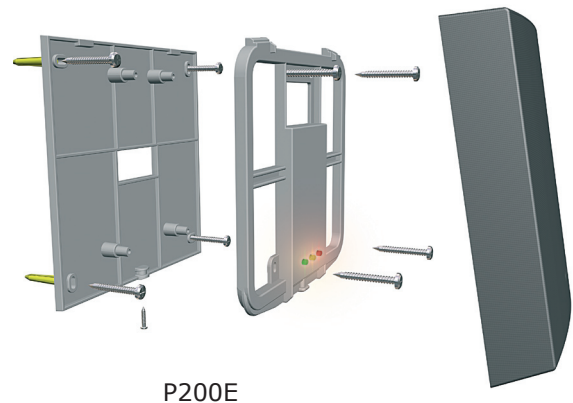
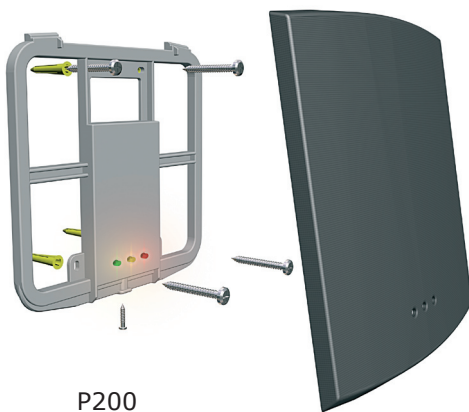
The P200E (External) has been designed with the reader coil spaced away from the backplate. This allows the reader to establish a radio field even when mounted on a metal post or surface. Although slightly reduced, the performance is acceptable in most vehicle management applications.

The read range of both units is greatly extended when used in conjunction with a hands free interface, tokens and keycards.

Reader covers

The P200 comes supplied with Black and White covers. The P200E is only available in Black.

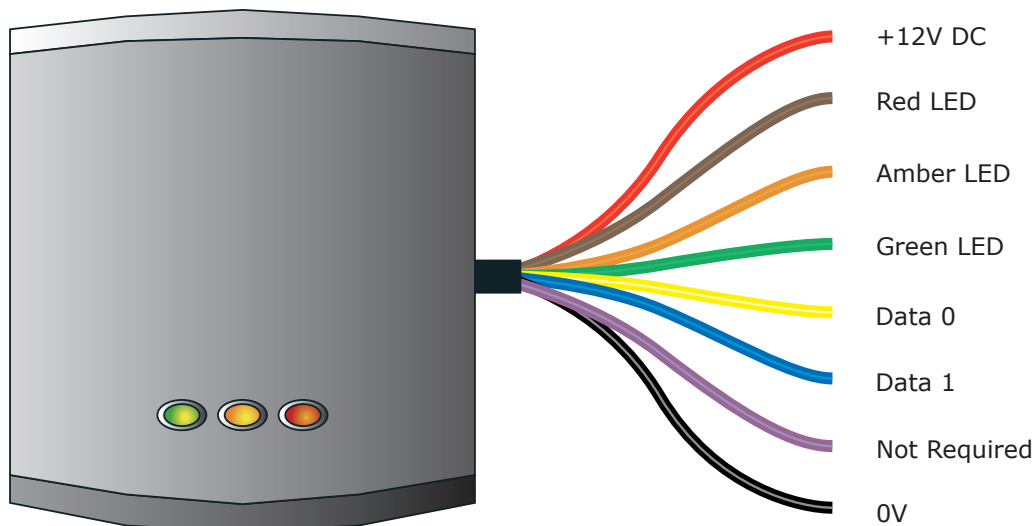
Fitting



Cable extensions

Readers can be extended using Belden CR9540 10-core overall screened cable to a maximum of 100 metres.

Wiring



Hands free interface

The interface should be positioned within 15 metres of the reader regardless of overall cable length. Wireless technology can be susceptible to environmental factors so if problems are experienced it may be necessary to move the interface closer to the reader.

The hands free interface should not be housed in a metal enclosure as it contains the main receiver aerial. Sticky feet allow the interface to be stuck to the ACU wiring label in a PSU plastic housing.

Specifications

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Environment	Min	Max	
Operating temperatures - all items	-20 °C	+55 °C	
Waterproof		IPX7	Outdoor Use
Electrical	Min	Max	
Voltage	8V DC	14V DC	
Current		140 mA	
Carrier frequency			125 kHz
Wiegand format			26 bits
Read Range	Token	Hands Free Token	
P200	200 mm	2500 mm	
P200E (metal mount)	150 mm	2000 mm	
Dimensions	Width	Height	Depth
P200	200 mm	200 mm	18 mm
P200E (metal mount)	205 mm	205 mm	42 mm

