

PAR-E6 Black

User manual



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1. Product overview



Fig.1. PAR-E6 Black

This device is an access control card reader designed for integration with access control systems. It reads proximity cards and transmits the card data to a controller via the Wiegand interface. The reader's built-in LED and buzzer can be controlled externally, allowing the connected controller to indicate access events.

2. Installation and Operation

Mount the reader near the access point, using the mounting holes on the back of the housing, and connect the cable according to the Wire Assignments table in Section 3. Keep the unit within its stated operating temperature and humidity range.

2.1. Connecting to the Access Controller

Connect the Red and Black wires to a 12V DC power supply, and the Green (Data 0) and White (Data 1) wires to the corresponding Wiegand inputs of the access controller. The Grey wire is used to select the Wiegand output format (26 or 34 bit); make sure the selected format matches the controller's input format. Once powered on, the reader transmits the card data of any presented card to the controller; the controller is responsible for evaluating access rights.

2.2. External LED and Buzzer Control

The Blue (LED) and Yellow (Buzzer) wires can be connected to the access controller's output terminals, allowing the controller to trigger the reader's built-in LED and buzzer to indicate access events, independently of the card reading function.

3. Wire Assignments

Colour	Function
Red	+12V DC
Black	GND
Green	Data 0
White	Data 1
Blue	LED
Yellow	Buzzer
Grey	Wiegand 26/34 format selection

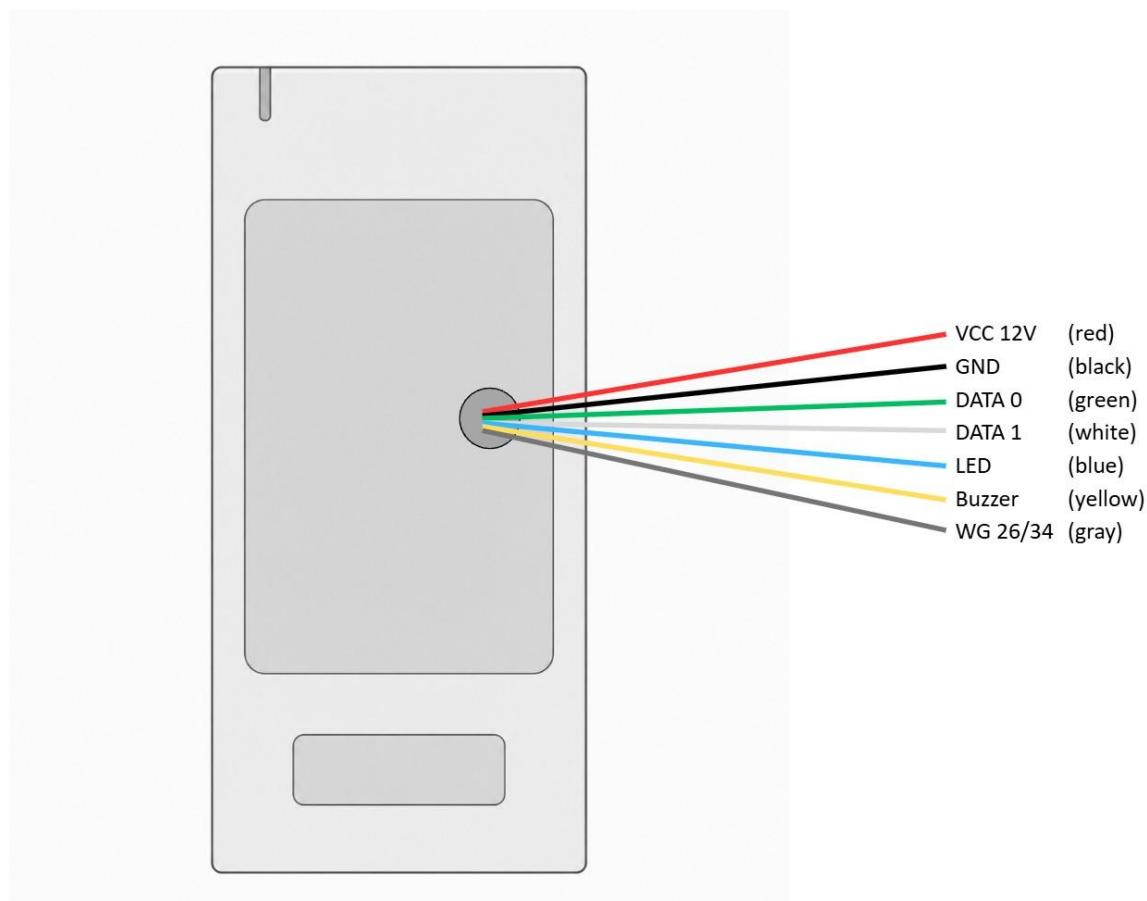


Fig.2. Wiring diagram

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