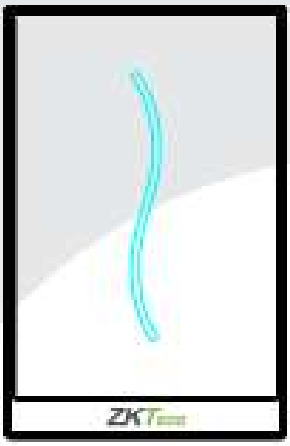
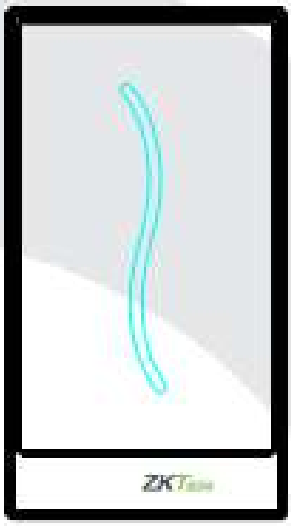
User Manual

ProID Series

Physical Access Readers



ProID10



ProID40

ProID20

ProID30

Green Label

1.Introduction

The ProID family of card readers is designed to offer card technologies options to customers such as 125KHz EM, RFID S50/S70 IC Card (13.56 MHZ) DESFire, FeliCa or Legic.

With a robust all-weather protection and a beautiful modern design, the ProID family is the best choice for indoor or outdoor applications.

2.Features

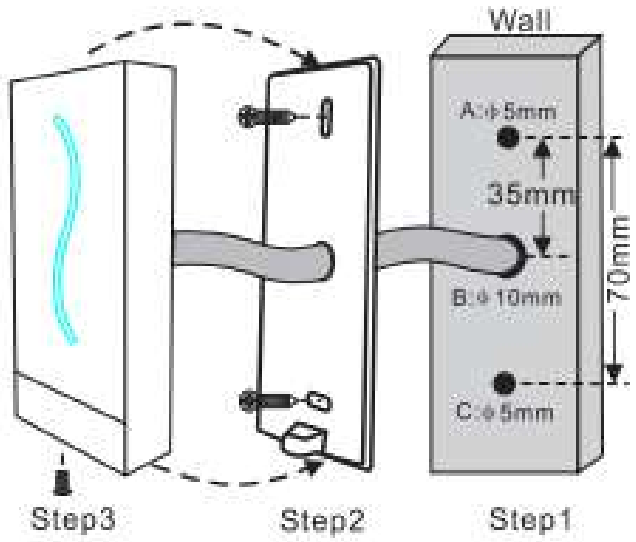
- High stability and energy efficiency.
- LED light and touch keypad.
- On-site adjustable Wiegand output(26 or 34 bits).
- Waterproof design suitable for indoor or outdoor application.
- On-site adjustable Wiegand output(26 or 34 bits).
- Black or white color available.

3.Specifications

Operation Voltage	9~24V DC
Standby Current	≤ 25mA
Frequency	125KHz/13. 56MHz
Reader Range	≥ 3CM
Output Format	26 bits Wiegand(default) 26~37 bits available upon request
Operation Temperature	-40° C ~60° C(-40° F ~ 140° F
Operation Humidity	10% to 95% RH
Index of Protection	IP66
Dimension(HxWxT)	103 x 48 x19mm
Net Weight	260g
Shipment Weight	300g

4.Intallation

- Drill 2 holes (A , C)on the wall for the screws and one hole for the cable.
- Knock the rubber bungs to the holes (A , C).
- Fix the back cover on the wall with 2 screws.
- Thread the cable though the cable hole (B) .
- Attach the unit to the back cover.

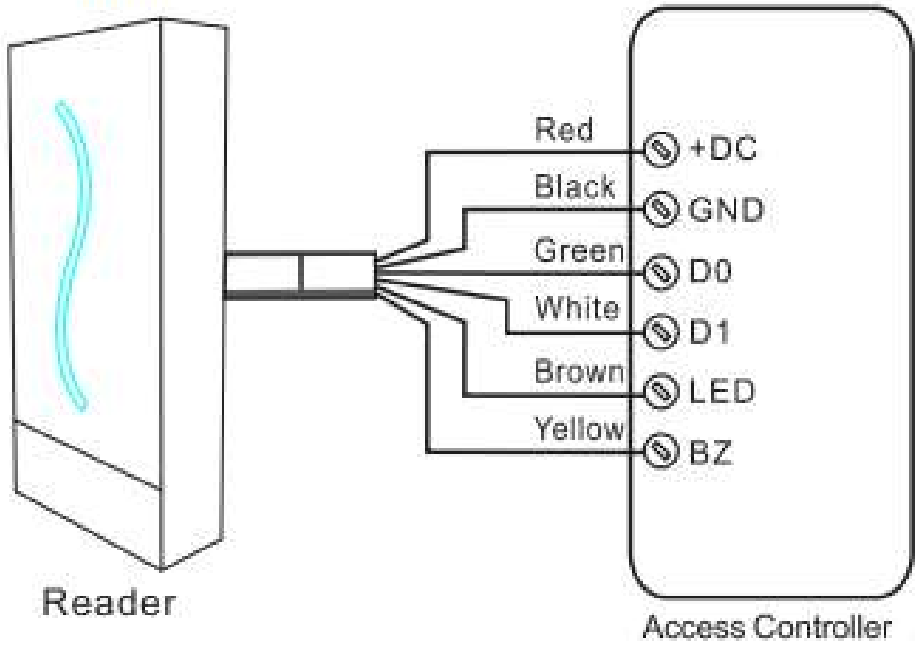


Wiring

Color	Function	Notes
Red	Power	+DC(9-24V DC)
Black	GND	Ground
Green	D0	Data0
White	D1	Data1
Brown	LED	Green LED Light Control
Yellow	Buzzer	Buzzer Control

(Remarks:Brown and Yellow wires are optional connections)

Connection Diagram



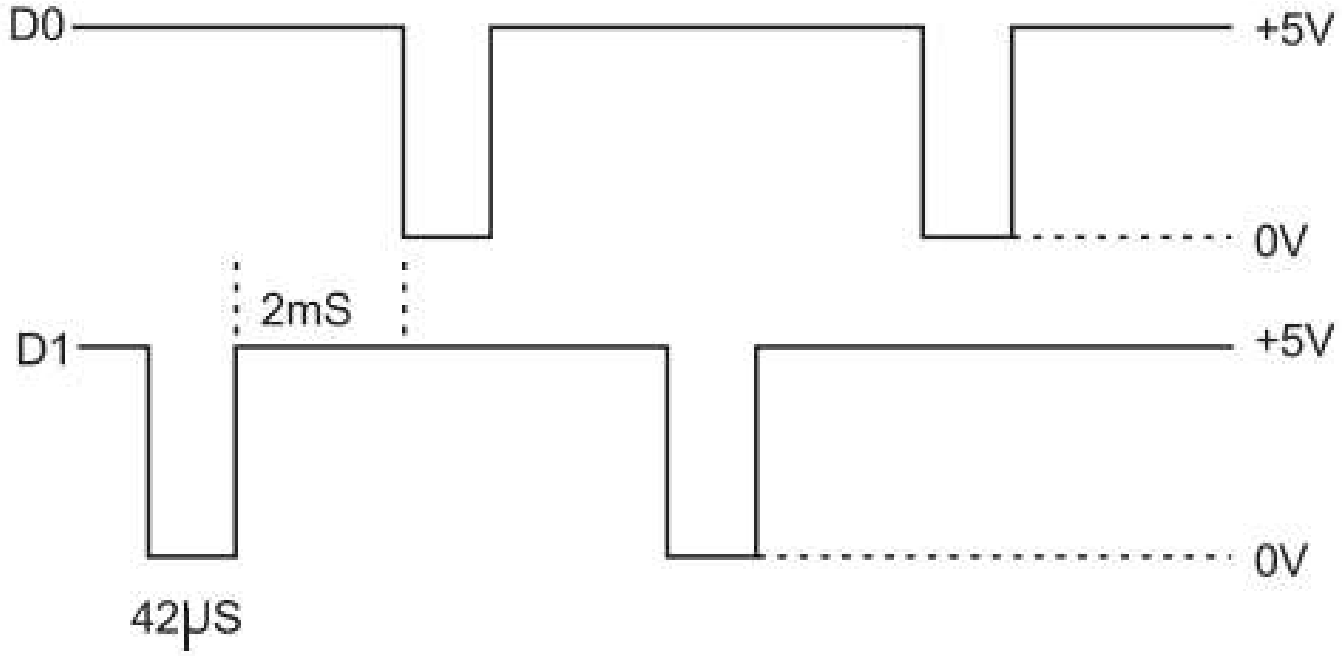
5.Function Table Sheet

Read Card	The LED light will turn into Green, and the buzzer soundsa beep, at the meantime, the reader outputs the Weigandsignal.
External LED Control	When the input voltage for LED is low, the LED will turn into Green.
External Buzzer Control	When the input voltage for Buzzer is low, the Buzzer will sound.
Wiegand Data Output	Wiegand 26~37 bits range available for the reader, factory default setting is Wiegand 26 bits. EM and RFID S50/S70 IC Card (13.56 MHz) are forced to output based on the reader setting.

6. Data Signal

Description	Reader Typical Time
Pulse Width Time	42 μS
Pulse Interval Time	2 mS

The above table shows the wave form of pulse width time (the duration of a pulse) and pulse interval time (the time between pulses) of the Wiegand data output from the readers.(Example 1010)



7. Packing List

Name	Quantity
Reader	1
Manual	1
Screw Driver	1
Wall Fixing Plugs	2
Self Tapping Screws	2