secnor

NAC-8008AR IP66 WATERPROOF RFID ACCESS READER WITH METAL BODY

User Manual

NORDEN®

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1. Introduction

The proximity reader is housed in a metal anti-vandal case offering an IP66 rating and can be mounted either indoor or outdoor in harsh environments.

Model	Card Type
EM Version	Read 125KHz EM Card
Mifare Version	Read 13.56MHz Mifare Card (ISO 14443A Compatible)
HID+EM Version	Read 125KHz HID & EM Cards
EM+HD+MF Version	Read 125KHz HID, EM Cards & 13.56MHz Mifare Card (ISO 14443A Compatible)

2. Specification

Operation Voltage	9~24V DC
Standby Current	≤25mA
Frequency	125KHz/13.56MHz
Read Range	≥ 3cm
Output Format	26 bits Wiegand (default) 26~37 bits available upon request
Operating Temp.	-40°C~60°C
Operating Humidity	10% to 95% RH
Index of Protection	IP66
Dimension	103x48x19mm (Square), D73xH20mm (Mini)
Net Weight	0.26Kg (Square)/0.18Kg (Mini)
Shipment Weight	0.32Kg (Square)/0.26Kg (Min)

3. Installation

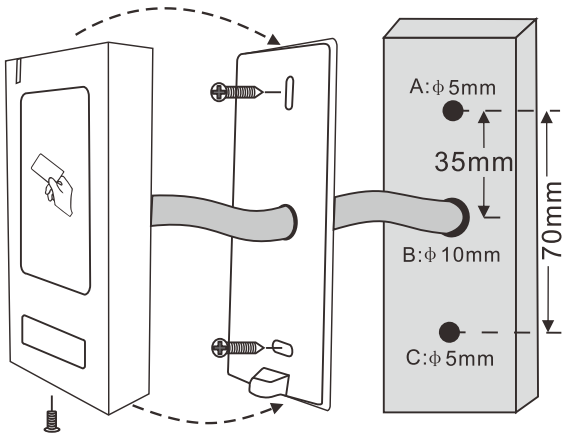
Drill 2 holes (A, C) on the wall for the screws and one hole for the cable

Knock the bungs from the holes A & C

Fix the back cover on the wall with 2 screws

Thread the cable though the cable hole (B)

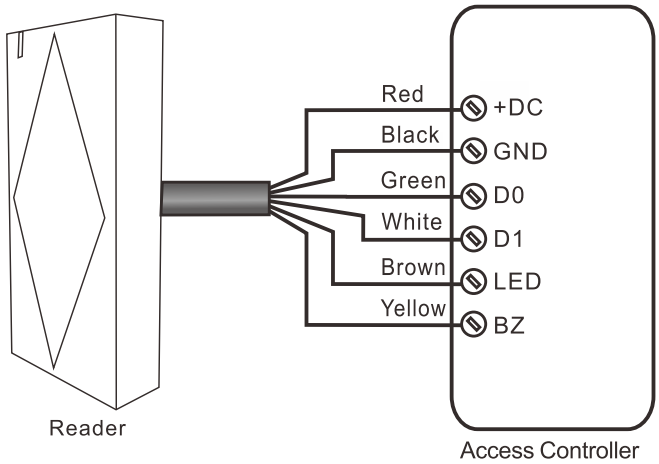
Attach the unit to the back cover



4. Functions Table Sheet

Read Card	The LED light will turn green, and the buzzer will emit a beep, while the reader outputs the Wiegand signal
External LED Control	When the input voltage for LED is low, the LED will turn green
External Buzzer Control	When the input voltage for the Buzzer is low, the Buzzer will sound
Wiegand Data Output	Wiegand 26-37 bits range available for the reader with the factory default setting set at Wiegand 26 bits

5. Connection Diagram



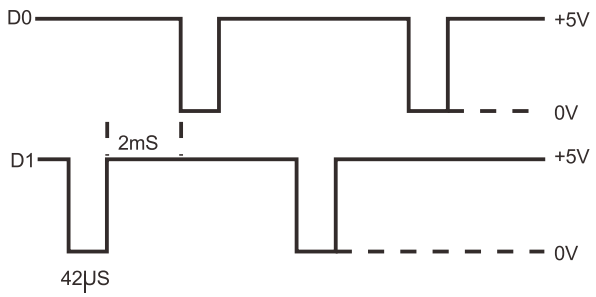
Color	Function	Notes
Red	Power	+DC (9-24V DC)
Black	GND	Ground
Green	D0	Data 0
White	D1	Data 1
Brown	LED	Green LED Light Control
Yellow	Buzzer	Buzzer Control

(Remarks : Brown and Yellow wires are Optional connections)

5. Data Signal

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

The table above shows the wave form of the 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).



6. Packing List

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