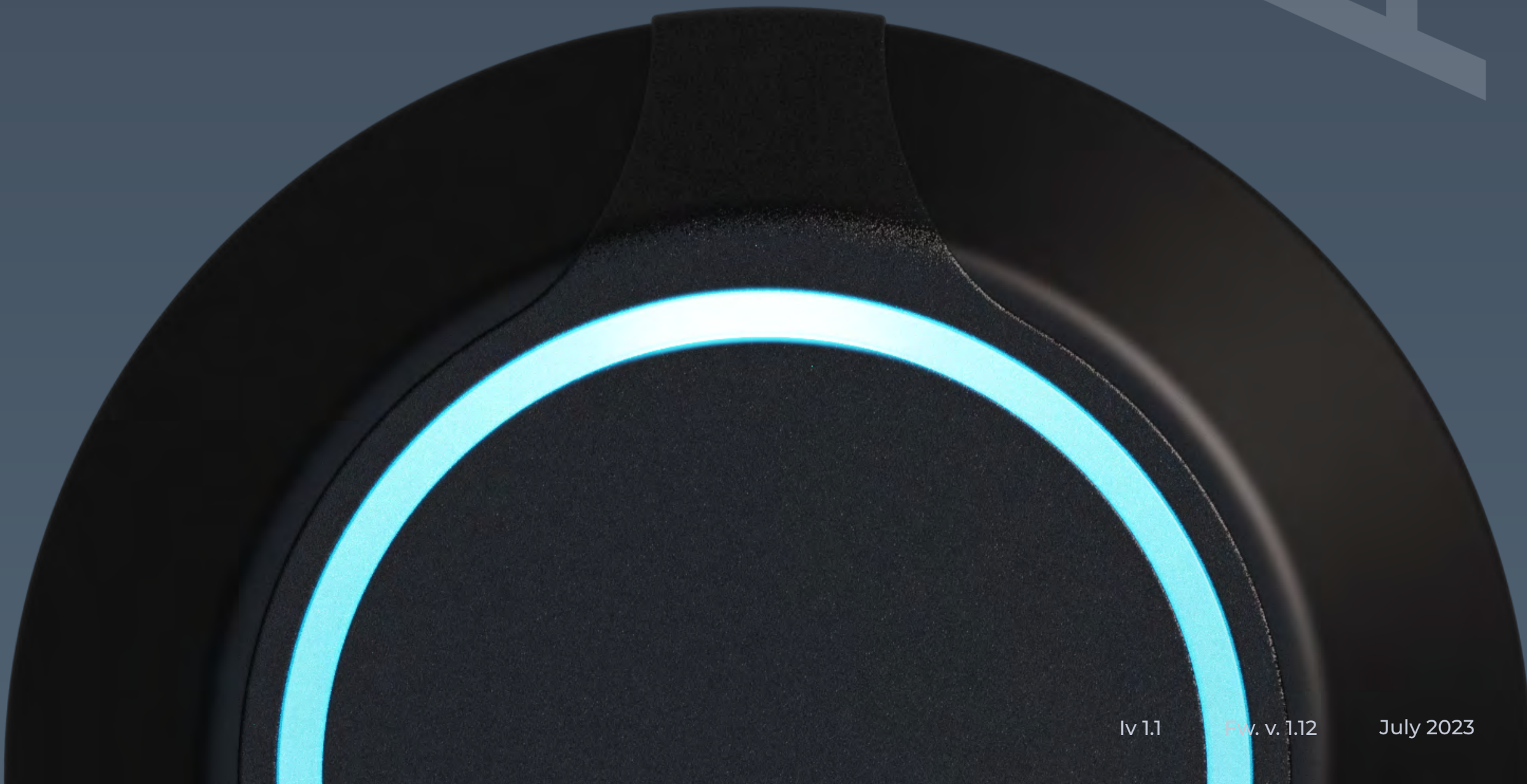




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Introduction

This document provides detailed information on the structure, installation, and connection of the AIR-B proximity exit button.

It also includes instructions for preventing or troubleshooting many common problems.

This guide is for informational purposes only, and in the event of any discrepancies, the actual product takes precedence.

All instructions, software, and functionality are subject to change without prior notice.

The latest version of the manual and additional documentation can be found on our website or by contacting customer support.

The user or installer is responsible for complying with local laws and privacy regulations when collecting personal data during the use of the product.

Default Device Settings

- Distance 3.93" (10 cm)
- Delay 0.1 sec.
- Aux Out work mode NO (normally open)
- Buzzer On

Device Specifications

Device info

- Model AIR-B
- Sensor type Laser
- Distance 3.93"/7.88"/11.81"/19.68" (10/20/30/50 cm)
- Indication 2 color LED
- Buzzer Yes
- Open delay, second 0.1/3/6/9

Physical connections

- Green wire (input) Green indication status
- Blue wire (Aux Out) Open collector

Electrical characteristics

- Input voltage 12 - 24 VDC +/- 10 %
- Operation current (MAX) 12 VDC 0.11 A (1.3 W)
- Switching current (MAX) 12 VDC Aux Out 0.2 A (4 W)
- Output short-circuit protection Yes
- Power supply reverse polarity protection Yes

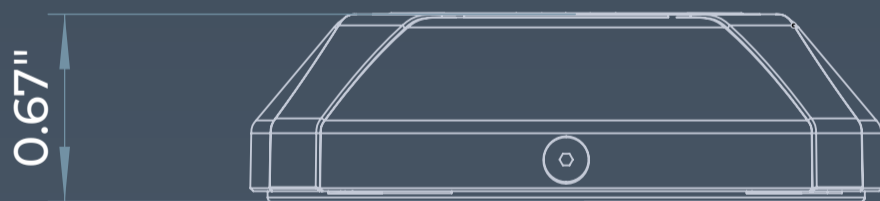
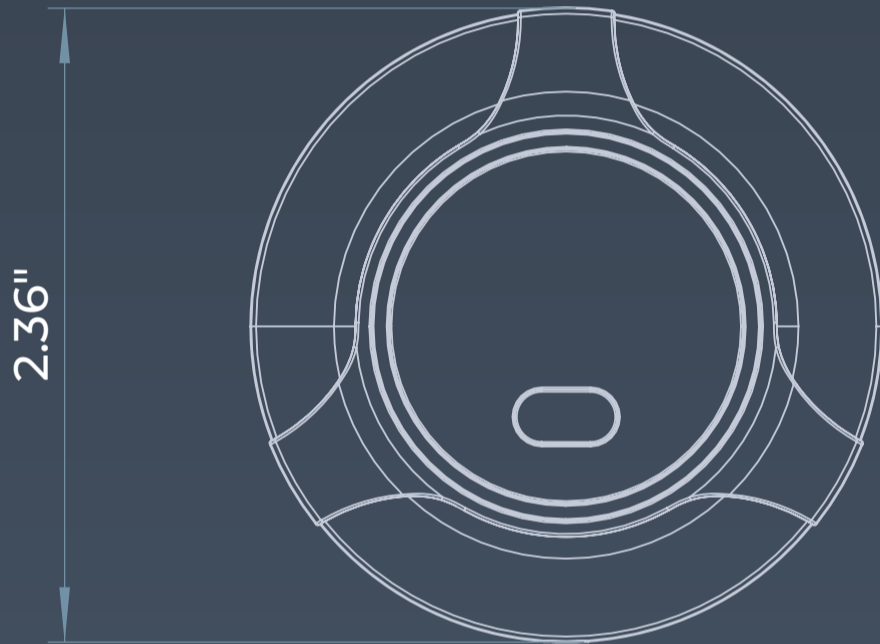
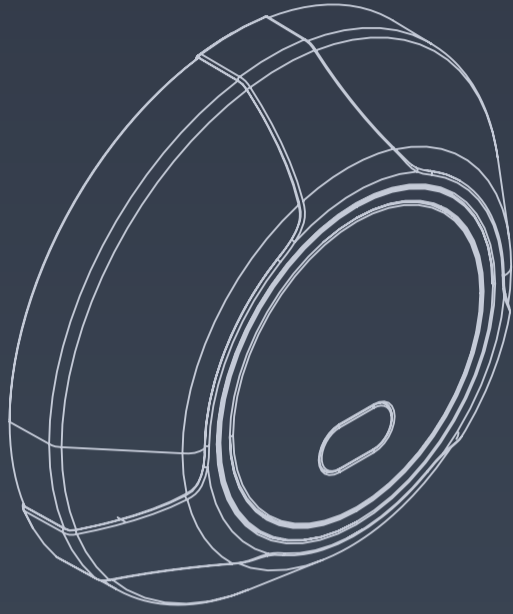
Environmental requirements

- Operating temperature -22°F ~ 158°F (-30°C ~ 70°C)
- Ingress Protection rating IP65

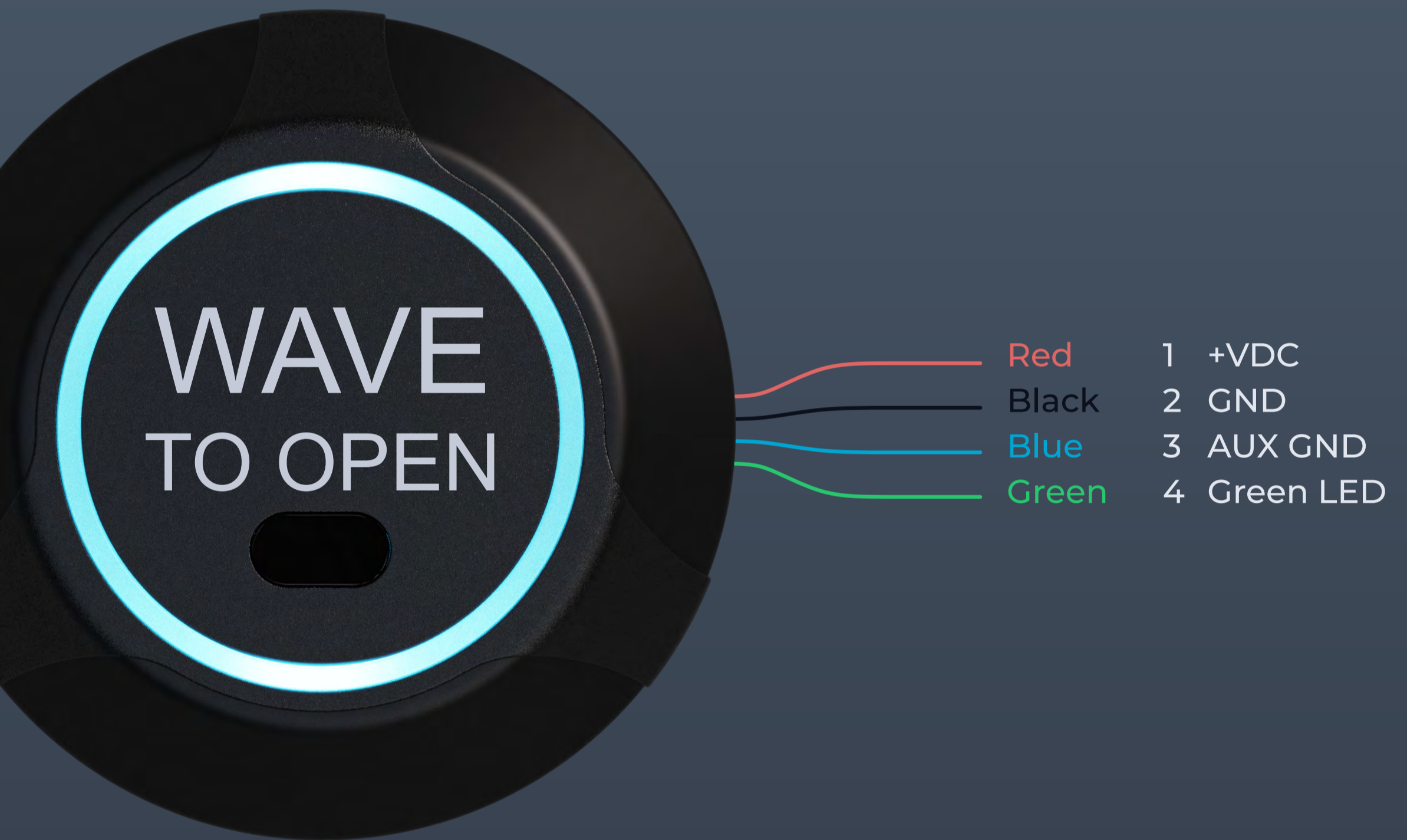
Physical characteristics

- Housing material ABS plastic UL94 V-0
- Mounting method Wall mount
- Dimensions (diameter, height) 2.36" x 0.67" (60 x 17 mm)
(mounting ring) 2.36" x 0.86" (60 x 22 mm)
- Weight 1.59 oz (45 g)

Device Dimensions



Wire Designation for Connection



Installation Recommendations

Installation

When installing the device inside the door frame, consider the width of the frame and the desired activation distance. Proper placement will ensure optimal functionality and ease of use.

Commutation

It is important to note that the switchable current should not exceed 0.2 Amper when connecting the load directly. If the current exceeds this limit, it is advisable to use a relay to ensure safe operation and protect the components.

False positives

In the event of sensor contamination or the presence of foreign objects within the sensor's sensitivity range, the device will provide an audible alert and the backlight will flash at a variable frequency. To resolve this, clean the sensor using a damp cloth followed by a dry cloth, or remove any foreign objects that may be obstructing the sensor.

Additional indication

Optionally, you can connect the status wire for external indication to the controller or reader contact responsible for displaying the green indicator for authorized passage. This feature allows for real-time display of the current passage status, providing additional information and convenience.

Setup menu

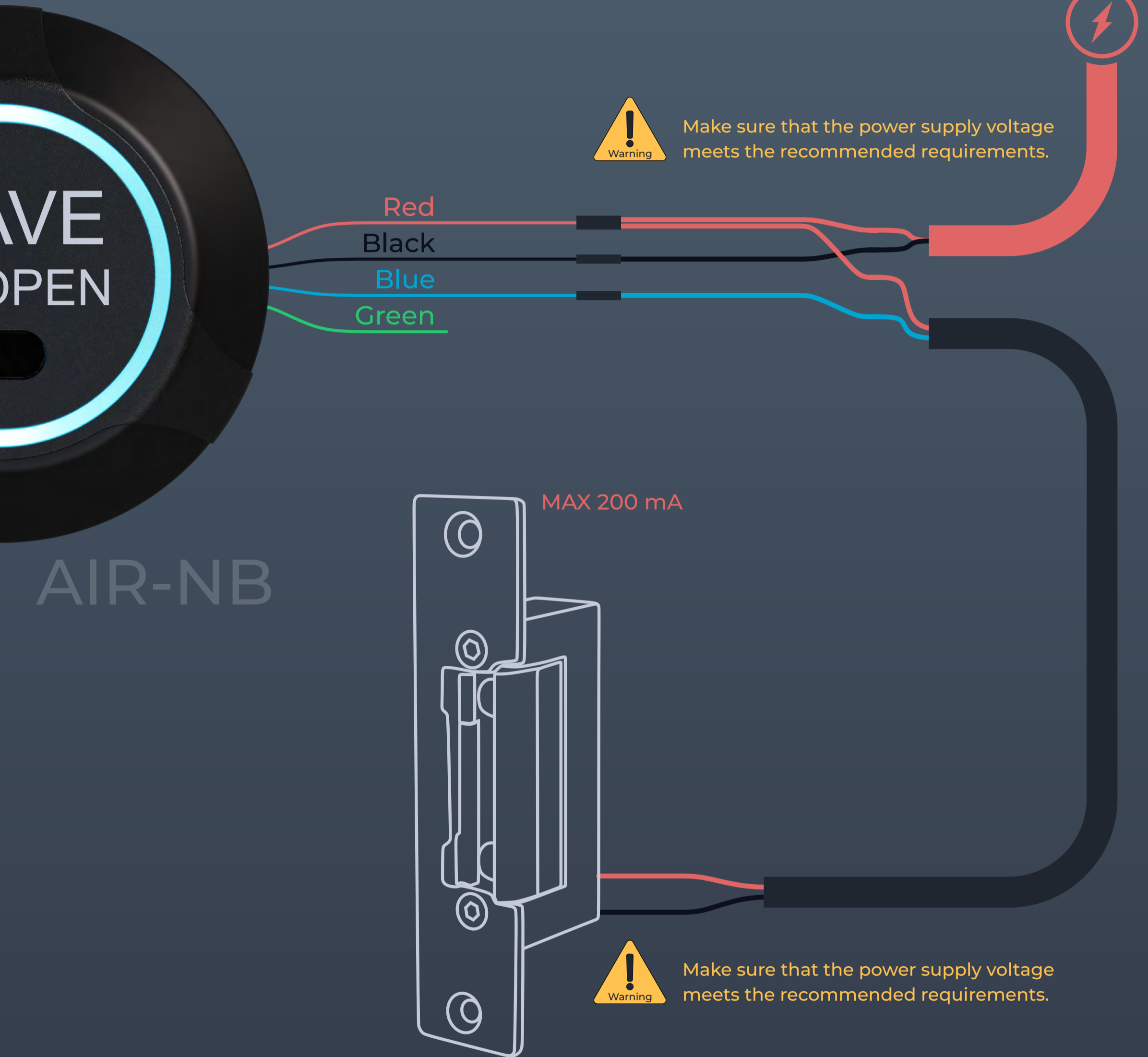
There is a simple and easy-to-use menu for setting the exit button, which is navigated using the Mode and Select buttons.

Structure of the Setup Menu



Electric Strike Lock Direct Connection

Connection Diagram



The voltage level of the power supply and the Exit Button AIR-B may differ depending on the cable length and the resistance of the conductor. Use a separate power supply to connect the Exit Button AIR-B if the cable is longer than 165 feet or the voltage at the end of the line is less than 10 volts.

DO NOT DIRECTLY CONNECT ELECTRIC LOCKS WITH HIGH CURRENT CONSUMPTION!
USE AN ADDITIONAL RELAY TO CONNECT ELECTRIC LOCKS WITH HIGH CURRENT CONSUMPTION!
DO NOT USE POWER SUPPLIES WITH DIFFERENT VOLTAGE LEVELS!

Use a multimeter in the VDC measurement mode to verify that the power supply voltage meets the recommended requirements.

For Notes

