kindoo®

KIN D 2.0
INSTALLATION MANUAL

READ CAREFULLY THIS ENTIRE MANUAL
BEFORE STARTING ANY INSTALLATION

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Note:

1. Specifications subject to change without notice.
2. Tech Support will only be provided where product installation guidelines have been followed.

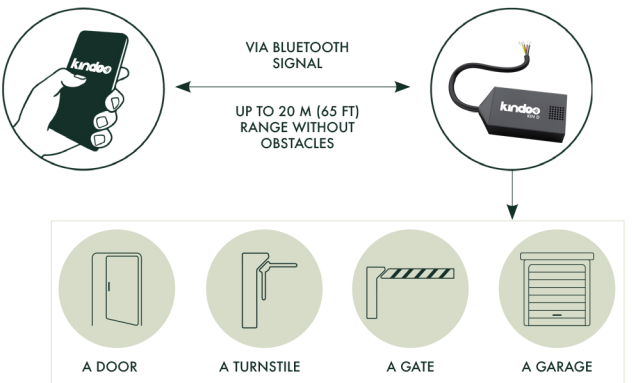
Package Contents

KIN D 2.0 x 1
Metallic PIN with double sided tape x 1
Wire caps x 5
Diode 1N4002 x 1

Typical Configuration

Internet required for phone

No Internet required for KIN D 2.0



KIN D 2.0 Specifications

Power Requirement 12 - 24 V (DC or AC)
KIN D 2.0 Max Current Draw 200 mA
Operating Temperature -40 °C to 85 °C [-40 °F to 185 °F]
Dimensions 55 mm (L) x 27 mm (W) x 14 mm (H)
[2.16 in (L) x 1.06 in (W) x 0.55 in (H)]
Weight 30 g [1 oz]
Emission Range Up to 20 m [65 ft]
Dry Relay Contacts 2 A
Emission Frequency 2.4 GHz
Warranty 1 year

KIN D 2.0 Installation

1. Powering up KIN D 2.0

The KIN D 2.0 will operate on a DC or AC power supply (not provided) within the range of 12 to 24 volts. If the KIN D 2.0 and attached device are required to operate in the event of a power outage, a 'Battery Backed-Up Power Supply' is recommended. If the attached device requires more than 0.5 AMPS of current to operate, a heavy duty power supply is required. The KIN D 2.0 uses an embedded Relay with 2.0 amp rating.

This is the maximum current that can be switched reliably when connected to a 'NON-Inductive load' up to 30VDC. Electric strikes and magnetic locks are considered 'Inductive Loads'. For Inductive Loads operating on DC, it is important to have the provided diode attached at the locking device to remove the CEMF pulse that is generated when switching an 'Inductive Load' (see DC ELECTRIC STRIKE WIRING EXAMPLE below). For Inductive Loads operating on AC, a MOV must be used -not provided-.

An external relay should be used on larger voltage and current requirements.

Use the provided 5 wire caps for wire connections. ALWAYS terminate any KIN D 2.0 unused wire with a wire cap.

2. KIN D 2.0 Placement

1- Place the KIN D 2.0 in a plastic enclosure or within the wall or door frame.
2- Place the KIN D 2.0 in a dry place with normal ambient temperatures.

To avoid any attenuation and for proper operation DO NOT place the KIN D 2.0 behind electrical equipment such as card reader, screens, etc...

DO NOT place the KIN D 2.0 behind metallic obstacles or behind UV coated glass or reflective glass.

3- Once the KIN D 2.0 is placed, ALWAYS test its operational range. When issuing a command, the KINDOO application will inform you if the KIN D 2.0 signal is weak and the application will not emit the command. Always verify that the range within which the KINDOO application allows you to issue the command is an acceptable operational range for your installation. If not, kindly change the KIN D 2.0 placement in a way that reduces obstacles between the KIN D 2.0 and the phone of the users.

For installations where the KIN D 2.0 is hidden, you may use the provided PIN and double sided tape to affix the PIN in a visible location at the same level of the KIN D 2.0. The PIN is simply a visual marker that helps users know where the KIN D 2.0 is located and does not serve any other function.

3. Wires Color Coding

Green and yellow wires provide power to the KIN D and should be connecteed to a 12V to 24V DC or AC power supply

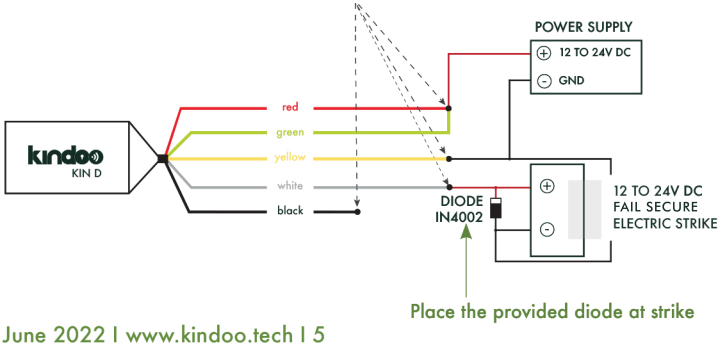
The Red wire is the Common (C) (typically 12V to 24V DC or AC)

The White wire is the Normally Open (NO)

The Black wire is the Normally Closed (NC)

4. Wiring example: DC Fail Secure Electric Strike requiring less than 2 AMPS

Use the 5 provided wire caps to connect wires.
Note that green and yellow wires can be switched
The electric strike current draw should be less than 2 amps.
Power Supply 1 should NOT be connected to ANY COMPONENT OR LOAD other than the ones in the below circuit.
Most importantly terminate any unused wire with a wire cap as well.
DIODE SHOULD BE CONNECTED AT THE STRIKE LEVEL AND NOT ON THE WIRES IN BETWEEN THE STRIKE AND THE KIN D

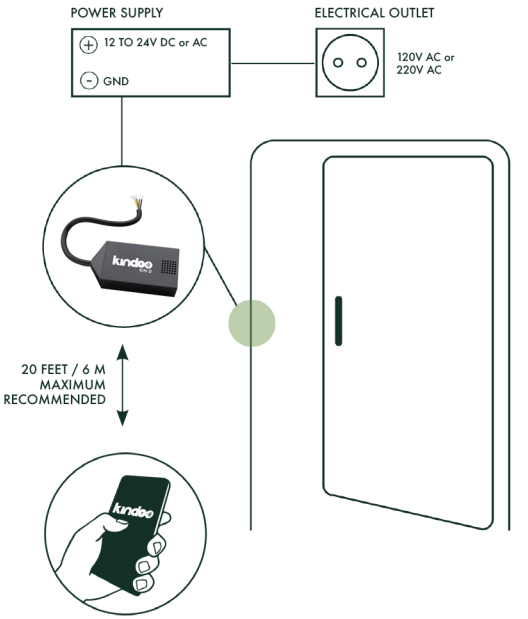


5. Wiring the KIN D to an Exit Device

- Make sure to have a direct run of wires between the Power Supply and the exit device.
- Do NOT wire any relay, KIN D, nor any other access control unit between the power supply and the exit device.
- Use a dedicated second power supply 12V to 24 V DC rated 1 AMP to power the KIN D. Do not wire any other component to that dedicated power supply.

For specific examples refer to the following link:
https://docs.kindoo.tech/docs/wiring-diagrams

6. Riser Diagram



7. Setup

Use the KINDOO MOBILE application to create your type D site and start setting up KIN D 2.0 devices.

End User Acknowledgement

When using KINDOO and any related hardware or software, you fully agree to all the terms and conditions of the KINDOO GENERAL TERMS AND CONDITIONS defined on our website:
www.kindoo.tech/generaltermsandconditions.html

If you do not agree with any of the terms and conditions, please return the product in its original unused condition.

CE Compliance Statement

This device is in compliance with the essential requirements and other relevant provisions of the Radio Equipment Directive 2014/53/EU

FCC Compliance Statement

This device complies with part 15 of the FCC rules.
Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Made in China

Industry Canada Compliance Statement

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:
(1) this device may not cause interference, and
(2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
(1) l'appareil ne doit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

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IC ID: 28769-KIND20

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