

KIN-DREL

INSTALLATION MANUAL



February 2021

Table of Contents

Typical Configuration.....	2
Specifications	3
KIN-DREL Installation	4
1. POWER UP KIN-DREL	4
2. ELECTRIC STRIKE WIRING	5
3. DRY CONTACT ACTIVATION WIRING.....	5

© 2010-2017 Cansec Systems Ltd. All rights reserved. Cansec®, CanProx®, and Cutting edge simplicity® are the registered trademarks of Cansec Systems Ltd. All other trademarks are the property of their respective owner.

Typical Configuration

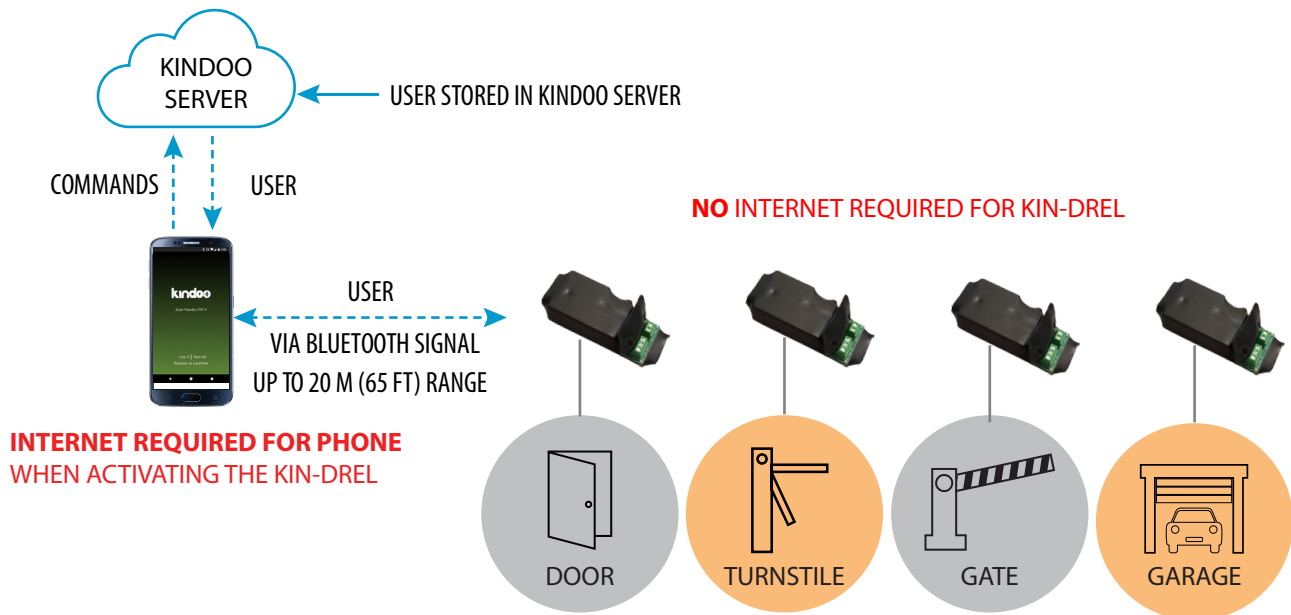


Figure 1: Typical Configuration

Specifications

Power Requirement.....	12 - 24 VDC
KIN-DREL Current Draw	1 A
Operating Temperature.....	-40 °C to 85 °C [-40 °F to 185 °F]
Dimensions	68 mm (L) x 21.75 mm (W) x 16 mm (H)
.....	[2.68 in (L) x 1.25 in (W) x 0.63 in (H)]
Weight	30 g [1 oz]
Emission Range	Up to 20 m [65 ft]
Dry Relay Contacts ¹	6 A
Frequency	Bluetooth® low energy - 2.4 GHz
Warranty	1 year

NOTE:

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

IMPORTANT:

1. In some jurisdictions, the use of a UL approved power supply and connection to the fire alarm system for emergency release may be required. Installers should contact the local authority having jurisdiction to verify the specific requirements. Also, a building permit may be required in some jurisdictions for the installation of magnetic locks.
2. The included Surge Suppressors and Inline Fuses **MUST** be installed to comply with warranty.

KIN-DREL Installation

1. POWER UP KIN-DREL

The KIN-DREL will operate on a DC power supply with the range of 12 to 24 volts. If the KIN-DREL and attached device is 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 heavier duty power supply will be required. The KIN-DREL uses a heavy duty Relay see Note 1 below. See the next section for sample possible connections.

Note 1: 6 amp relay rating information.

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'. It is important to have the diode or MOV attached at the locking device to remove the CEMF pulse that is generated when switching an 'Inductive Load'. It is advisable to use a 50% switch factor or 3 amps as the maximum switching current for longer relay life. An external relay should be used on larger voltage and current requirements.

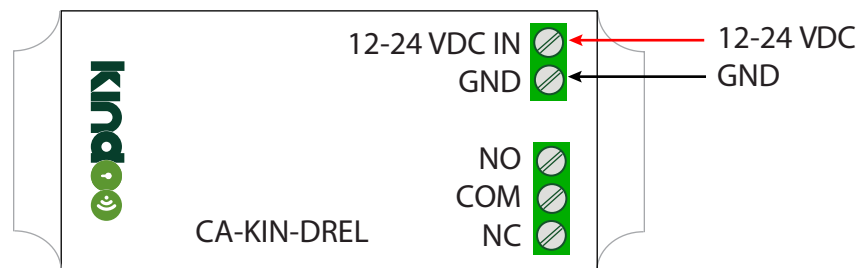


Figure 2: Power Up KIN-DREL

2. ELECTRIC STRIKE WIRING

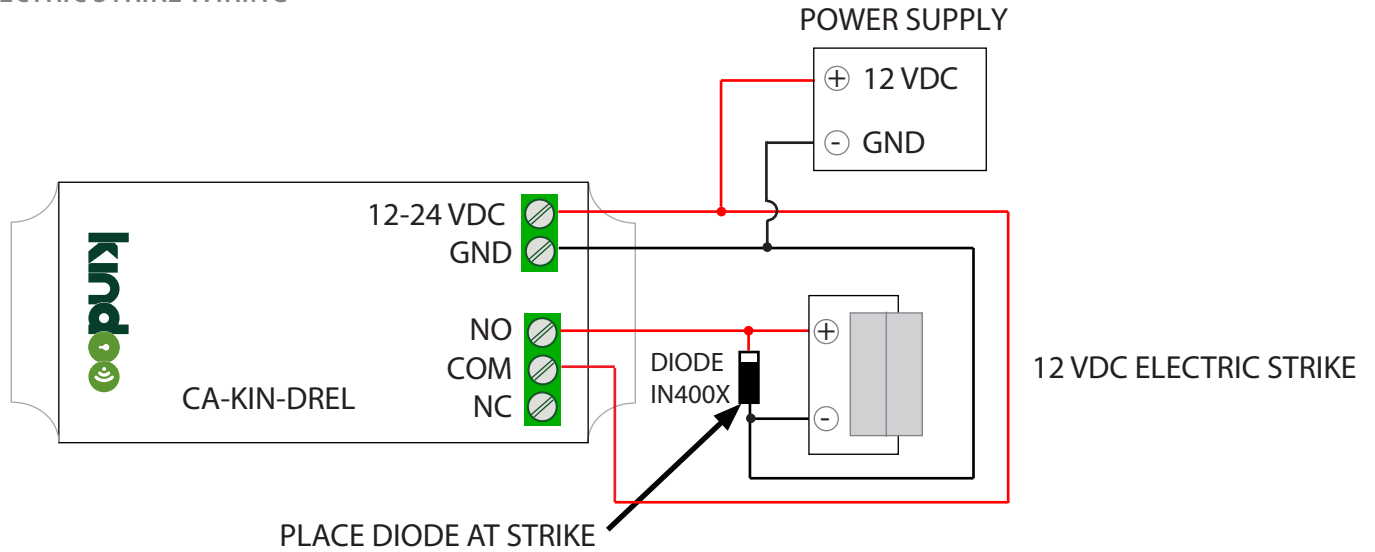


Figure 3: Electric Strike Wiring

3. DRY CONTACT ACTIVATION WIRING

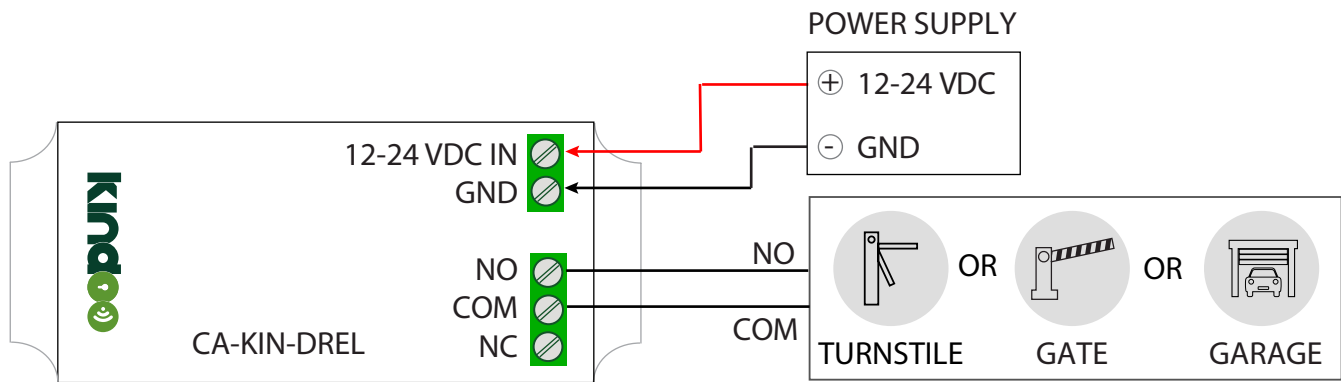


Figure 4: Dry Contact Activation Wiring