

# Spintly KREO

Spintly KREO is an advanced access control reader with the highest level of security and reliability, with IP-65 rating for ruggedness. It offers seamless door unlocking using BLE, NFC and a Keypad



## Modes of Access

Spintly access control system offers various convenient and secure Access modes as below :

- **Mobile Access:** Spintly provides mobile-based access control for convenient door unlocking and workplace check-ins via smartphones. By using mobile credentials, Spintly improves security and access management for modern spaces.
  - Modes of mobile Access**
    - Click Access
    - Tap Access
    - Mobile NFC Access
- **Card and Key fob access:** Spintly offers various HF-High frequency (13.56MHz) and LF-Low frequency (125KHz) cards/key fobs access, allowing convenient and secure method for users to access doors.
- **Remote Access:** Spintly app enables secure global access, allowing authorized users unlock doors from anywhere in the world.
- **Pincode Access:** Spintly KREO enables users to unlock doors using a touch-based pincode, providing convenient access.

## Security

- ✓ **AES128 bit encryption on Bluetooth mesh and Mobile communication**  
Spintly access control system uses AES-128 bit encryption for secure Bluetooth Mesh communication, safeguarding network data and also mobile access security
- ✓ **AES128 bit encryption based diversified keys for Mifare communication**  
Spintly readers use AES128 bit encryption to store and retrieve credential data from Mifare card

## KREO Features

- ① **BLE Mesh Networking**  
With BLE Mesh, devices can communicate with one another over an extended range, enhancing the overall performance and coverage of your access control network.
- ② **Premium Aesthetics**  
Spintly KREO's sleek form factor, designed to fit standard mullion size enclosures, facilitates easy mounting and installation.
- ③ **IP65 Rated**  
Spintly KREO is designed to be IP65 rated, safeguarding it against dust and water, making it suitable for outdoor installation in various environmental conditions
- ④ **Wide Input operating voltage**  
Spintly KREO offers versatile compatibility with different input voltages, making it adaptable to various electrical systems(12V-24V)
- ⑤ **Standard OSDP and Wiegand support**  
Spintly KREO can be integrated seamlessly with existing legacy access control systems via wiegand/OSDP. This implies that organisations can enhance their security infrastructure without the necessity for a complete revamp.
- ⑥ **Wallet credential support**  
Spintly KREO supports different types of digital wallet credentials providing a seamless and secure solution for accessing controlled environments
- ⑦ **Multi-factor authentication Support**  
Spintly KREO has multi-factor authentication support wherein any 2 access modes can be used, thus further enhancing security.
- ⑧ **Cloud based access management**  
Spintly KREO leverages cloud-based access management, allowing administrators to control and monitor access remotely from a centralised dashboard. This feature provides real-time access control management, enabling you to grant or revoke access permissions, track user activity
- ⑨ **Adjustable operational distance for Mobile credential access**  
Spintly KREO offers the flexibility to adjust the operational distance for mobile credential access such that administrators can fine-tune the range at which mobile devices, equipped with the appropriate credentials, can gain access to secured areas.
- ⑩ **Tamper Proof**  
Spintly KREO offers tamper resistant feature enhancing the security against unauthorized access attempts. This feature can seamlessly integrate with cloud and mobile applications

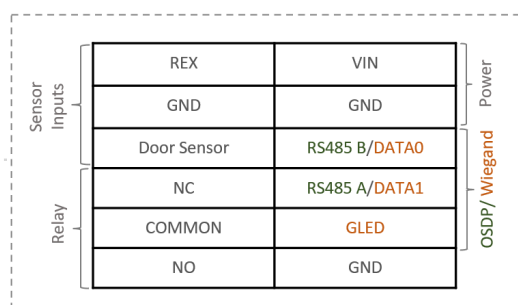
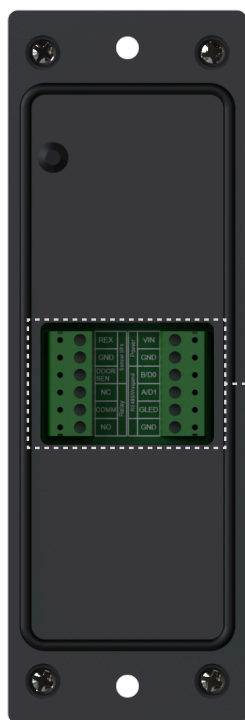
# Models & Specifications

Product	Spintly KREO			
Product variants	Without Keypad		With Keypad	
Model No	KR-011	KR-012	KR-021	KR-022
Product Codes	SKR-HF	SKR-HF-LF	SKR-KP-HF	SKR-KP-HF-LF
Power Inputs	Power <ul style="list-style-type: none"> <li>Voltage Ratings : 12V/24 VDC</li> <li>Power consumption: 2.4 W max at 12V.</li> </ul>			
Communication	BLE MESH, Wiegand Output, RS485(OSDP)			
Sensor inputs	Door Sensor switch Egress Switch(REX)			
Tamper Switch	Yes			
Switch outputs	Relay FORM C			
Card Read Range	Up to 3 – 7 cm			
Modes of Access	Mobile access <ul style="list-style-type: none"> <li>Click Access</li> <li>Tap Access</li> <li>Mobile NFC Access</li> </ul> HF Card Access Mobile Wallet Access Remote Access	Mobile access <ul style="list-style-type: none"> <li>Click Access</li> <li>Tap Access</li> <li>Mobile NFC Access</li> </ul> HF Card Access LF Card Access Mobile Wallet Access Remote Access	Mobile access <ul style="list-style-type: none"> <li>Click Access</li> <li>Tap Access</li> <li>Mobile NFC Access</li> </ul> HF Card Access Mobile Wallet Access Remote Access Keypad Access	Mobile access <ul style="list-style-type: none"> <li>Click Access</li> <li>Tap Access</li> <li>Mobile NFC Access</li> </ul> HF Card Access LF Card Access Mobile Wallet Access Remote Access Keypad Access
Capacity	Credential <ul style="list-style-type: none"> <li>Mobile : above 1 lakh</li> <li>NFC :</li> </ul> Event Logs <ul style="list-style-type: none"> <li>Online : unlimited</li> <li>Offline : 40k</li> </ul>			
Card Compatibility  (HF - 13.56MHz) (LF - 125KHz)	HF - High Frequency ( <b>13.65MHz</b> ) <ul style="list-style-type: none"> <li>ISO14443A (Mifare Classic)</li> <li>ISO15693</li> </ul>	HF - High Frequency ( <b>13.65MHz</b> ) <ul style="list-style-type: none"> <li>ISO14443A (Mifare Classic)</li> <li>ISO15693</li> </ul> LF - Low Frequency ( <b>125KHz</b> ) <ul style="list-style-type: none"> <li>FSK Credential</li> <li>ASK Credential (EM Prox)</li> </ul>	HF - High Frequency ( <b>13.65MHz</b> ) <ul style="list-style-type: none"> <li>ISO14443A (Mifare Classic)</li> <li>ISO15693</li> </ul>	HF - High Frequency ( <b>13.65MHz</b> ) <ul style="list-style-type: none"> <li>ISO14443A (Mifare Classic)</li> <li>ISO15693</li> </ul> LF - Low Frequency ( <b>125KHz</b> ) <ul style="list-style-type: none"> <li>FSK Credential</li> <li>ASK Credential (EM Prox)</li> </ul>
Enclosure	Dimensions: 143L X 48W X 25H mm (5.62 X 1.88 X 0.98 in) Weight: 70 g Housing material: PC ABS Wall mountable IP65 rated			
Environmental	Operating Temp" -25 to -85 degrees C Operating humidity: 5% to 95% relative, Non-condensing			
Certifications	FCC certified CE certified ROHS compliant			





\*Card with maximum 48 bit format

## KREO Pinout Representation

Spintly KREO features an exposed terminal block on its backside, providing easy access to all required signals during installation. This simplifies the installation process by allowing straightforward connection of wiring without the need for additional steps



## Applications

-  Commercial Spaces
-  Educational Institutions
-  Fitness Centers
-  Coworking spaces
-  Warehouses
-  Manufacturing and Industrial Sites

## Contact Us



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