

# Spintly ZEON

Spintly ZEON offers a complete solution for users and visitors by blending QR / Barcode scanning with BLE and NFC access. This ensures easy operation across all levels.



## Modes of Access

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

- **QR access:** Spintly ZEON simplifies the authentication process with a quick scan. Users can effortlessly present their unique QR code for swift and efficient access, enhancing convenience for employees, visitors, or customers.
- **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 Mifare credentials for access control and also key Fob access, allowing convenient and secure method for users to access the doors.
- **Remote Access:** Spintly's app offers secure global access, enabling users to unlock doors from anywhere. This feature enhances convenience and security, making it an ideal solution for modern access control.

## 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 ZEON use AES128 bit encryption to store and retrieve credential data from Mifare card

## ZEON 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 **Wide Input operating voltage**  
Spintly ZEON offers versatile compatibility with different input voltages (12V/24V), making it adaptable to various electrical systems. This ensures seamless integration into diverse environments, whether they use high or low voltage power sources.
- ④ **Built in RTC and NTP support**  
Spintly ZEON is equipped with a Real-Time Clock (RTC) and supports Network Time Protocol (NTP). This ensures that the system maintains accurate and synchronized time. Precise timekeeping is essential for access control systems, as it helps in tracking and managing access events accurately.
- ⑤ **Cloud based access management**  
Spintly ZEON leverages cloud-based access management, allowing administrators to control and monitor access remotely from a centralized dashboard. This feature provides real-time access control management, enabling you to grant or revoke access permissions, track user activity, and receive alerts and notifications from anywhere with internet access
- ⑥ **Adjustable operational distance for Mobile credential access**  
Spintly ZEON 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.



## Models & Specifications

Product Variant	Spintly ZEON	
Model Nos	SQR-021	SQR-022
Communications	BLE Mesh, Wiegand Output	BLE Mesh, Wiegand Output/OSDP
Power Input	<ul style="list-style-type: none"> <li>Power                             <ul style="list-style-type: none"> <li>Voltage ratings : 12V/24V DC</li> <li>Power consumption : 2.4W max at 12V</li> </ul> </li> </ul>	
Sensor Inputs	<ul style="list-style-type: none"> <li>Door sensor switch</li> <li>Egress switch (REX)</li> </ul>	
Switch Outputs	Relay FORM C	
Modes of Access	<ul style="list-style-type: none"> <li>Mobile Access :                             <ul style="list-style-type: none"> <li>Click Access</li> <li>Tap Access</li> <li>Mobile NFC Access</li> <li>QR Access</li> </ul> </li> <li>HF Card Access</li> <li>Remote Access</li> </ul>	<ul style="list-style-type: none"> <li>Mobile Access :                             <ul style="list-style-type: none"> <li>Click Access</li> <li>Tap Access</li> <li>Mobile NFC Access</li> <li>QR Access</li> </ul> </li> <li>HF Card Access</li> <li>LF Card Access</li> <li>Remote Access</li> </ul>
Typical Read Range	<ul style="list-style-type: none"> <li>NFC : 30mm</li> <li>QR : 60mm</li> </ul>	
Capacity	<ul style="list-style-type: none"> <li>Credentials                             <ul style="list-style-type: none"> <li>Mobile : 14K</li> <li>NFC : 14K</li> </ul> </li> <li>Event Logs                             <ul style="list-style-type: none"> <li>Online : No Limit</li> <li>Offline : 40K</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>Credentials                             <ul style="list-style-type: none"> <li>Mobile : 35K</li> <li>NFC : 35K</li> </ul> </li> <li>Event Logs                             <ul style="list-style-type: none"> <li>Online : No Limit</li> <li>Offline : 40K</li> </ul> </li> </ul>
Card Compatibility	HF – High Frequency <ul style="list-style-type: none"> <li>iCLASS</li> <li>MIFARE Classic</li> <li>MIFARE DESFire EV2</li> </ul>	LF - Low Frequency (125 kHz) <ul style="list-style-type: none"> <li>HID Prox 26Bit</li> <li>EM Prox 26Bit</li> </ul> HF – High Frequency <ul style="list-style-type: none"> <li>iCLASS</li> <li>MIFARE Classic</li> <li>MIFARE DESFire EV2</li> </ul>
Enclosure	Dimensions : 135mmX50mmX29mm Weight : 150g Housing material : ABS Wall mountable	
Environmental	Operating temp: -25 to +85 degree C Operating humidity : 5% to 95% relative, non-condensing	
Certifications	FCC certified CE certified RoHS compliant	

## Wiring Color Code

Model No : SQR-02X

	Signal	Wire Color
Power	VIN	RED
	GND	BLACK
Wiegand/ RS485	DATA0/RS485 B	GREEN
	DATA1/RS485 A	WHITE
Relay	NC	VIOLET
	COMMON	BROWN
	NO	YELLOW
	REX	BLUE
	Door Sensor	ORANGE

## Applications

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

## Contact Us



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