Spintly

NUOS-1



NUOS-1 **is developed to support single door**
It has native OSDP and Wiegand support which provides the highest level of security and reliability. It offers a flexible and reliable platform for managing and securing access to your premises.

Modes of configurations

It is designed to be mounted on the secured side of a door, and it is configured to make all access control decisions. This enhances physical security of the system providing protection against tampering by unauthorized individuals.

It supports 2 modes as below

1. **Standalone Controller mode :**
   NUOS-1 can be operated independently with no readers connected in this mode.
   The controller is responsible for verifying user credentials and making access decisions solely based on the information provided by users. Since there are no connected readers, it does not rely on external hardware to read access credentials.

2. **Controller + Reader mode :**
   NUOS-1 is connected to Reader over OSDP/Wiegand protocol under this mode,
   OSDP enables secure, bidirectional communication, while Wiegand provides a simple and widely compatible unidirectional interface. The readers reads the credentials by user and transmit the data to the controller. The controller verifies these credentials to determine whether access should be granted.

Modes of Access

It 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. *(These are applicable for "Standalone Controller mode" mode only)*
  - Click Access
- **Remote Access**: Spintly's app enables secure global access, letting you unlock doors from anywhere.

Spintly NUOS-1 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 Retrofit with 3rd party hardware

One of the key strengths of NUOS-1 is its ability to seamlessly retrofit with existing legacy 3rd party hardware over OSDP or wiegand such that organizations can upgrade their security infrastructure without the need for a complete overhaul.

3 Selectable Dry/Wet relay contact

It features a user-accessible physical switch that allows seamless selection between **DRY** and **WET** relay output modes. When switched to **WET mode**, the relay output provides the same voltage as the controller's input power.

4 Cloud based access management

NUOS-1 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

5 Local storage of configurations

Local storage of configurations for a controller enhances the reliability, security, and efficiency of the access control system, ensuring that it remains operational and secure under various conditions, even when internet connectivity is not available or is unreliable.

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Contains FCC ID: 2ATL5S-SPNYH02-C

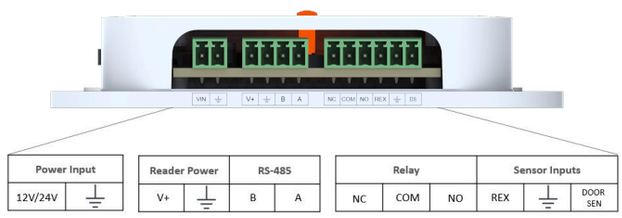
Models & Specifications

Product	NUOS - 1 (One Door Controller)	
Model No	SNU-041	SNU-042
Product Code	NU1-O	NU1-OW
Connectivity	BLE Mesh	
Reader capacity	OSDP – 2 readers	OSDP – 2 Readers Wiegand – 1 reader
Interfaces	OSDP	OSDP and Wiegand Out
Power Input	Power • Voltage : 12V/24V DC • Power consumption : 2.4W max at 12V	
Sensor Inputs	1 Door sensor switch 1 Egress switch (REX)	
Output	Switch Outputs • 1 Relay FORM C Power Output • Magnetic lock power: Vin of controller at 1 amps • Reader Power: Vin of controller at 1 amps	
Capacity	Credentials : 50K Logs • Online Unlimited • Offline : 40K	Credentials : 100K Logs • Online Unlimited • Offline : 40K
Enclosure	Dimensions : 124W * 67L * 22D mm Weight : 87g Housing Material : ABS Wall Mountable	
Environmental	Operating temp: -25 to +85 degree C Operating humidity : 5% to 95% relative, non-condensing	
Certifications Compliance	Bluetooth Low Energy connectivity provided by the SPNYH02-C wireless module - (FCC, CE and ROHS compliant). FCC certified (contains FCC ID: 2ATL5S-SPNYH02-C)	

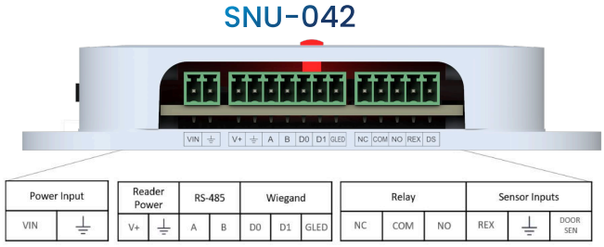
Model SNU-041 soon to be obsolete

NUOS-1 Pinout

SNU-041



SNU-042



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

Installation

Wall and Ceiling mountable

NUOS-1 controller can be installed on either walls or ceilings, providing flexibility in placement as per access control needs. It is designed with an easy mounting procedure using just two screws for quick and hassle-free installation.



Applications

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

Contact Us

www.spintly.com
sales@spintly.com
+1800-309-0602