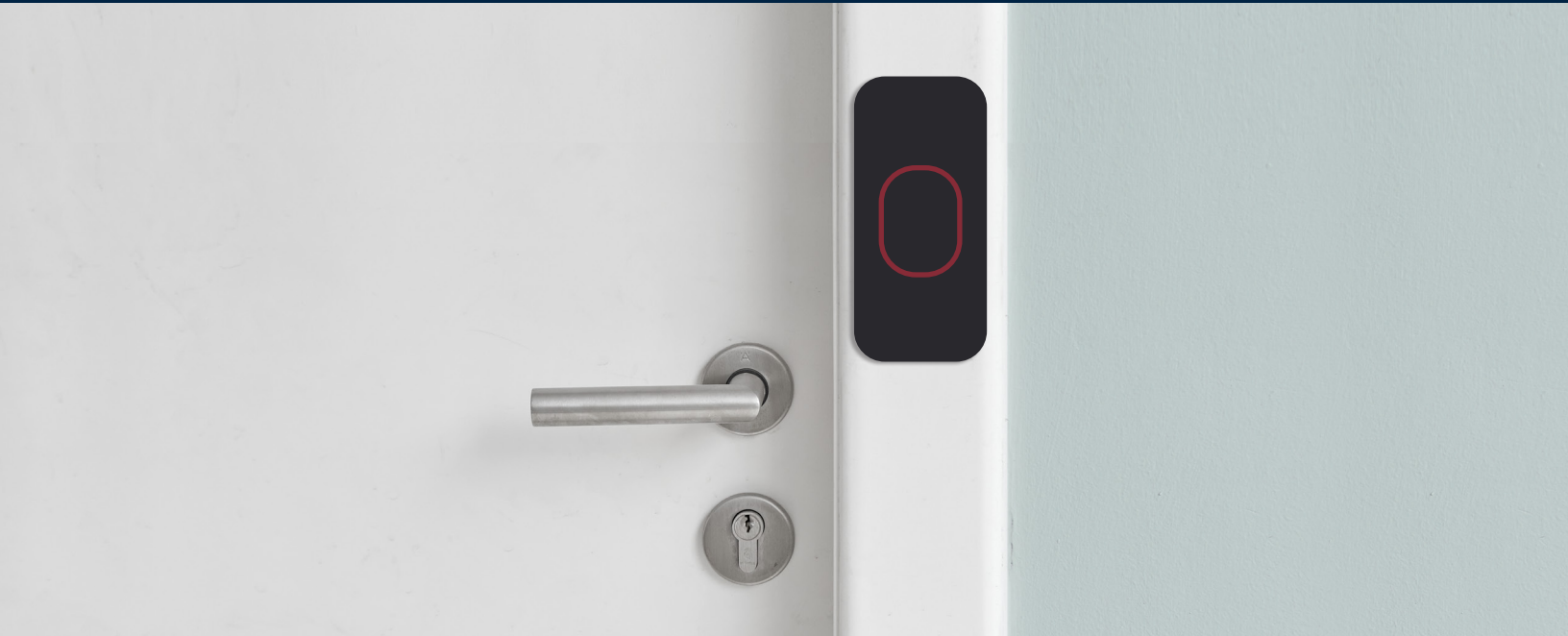


# Zerver R

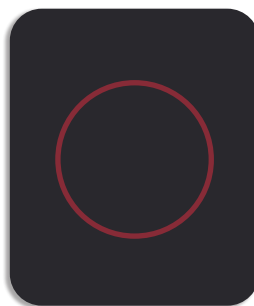
(reader)



The Zerver R is a new generation of IoT sensors which replaces legacy RFID readers. The Zerver R provides location services, enables support for Zerv mobile access as well as legacy RFID Badges, secure end-to-end communication through the Open Secure Device Protocol (OSDP) standard, and the ability to conduct configuration and firmware updates over-the-air direct to the in-field reader. Monitor people, objects and conditions like never before.



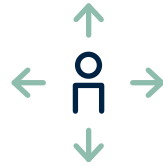
Mullion Reader



Wall Mount Reader



Keypad Reader



## Contact Tracing, Positioning & Location Services

Zerver R has the ability to identify the positioning of individuals which allows you to detect all people and objects entering and exiting doors even if they don't badge in or out, giving you awareness of who is in the building at any time. Additionally, the proprietary technology makes sure the right door/turnstile is opened.



### Value Add

Zerver R supports Google Pay and Apple Wallet for select applications.

Don't want to use Bluetooth for access control? Reach out to a Zerv sales representative about using NFC or ultra-wideband.



### Bluetooth Capability

Enables support for digital credentials through the Zerv software, as well as a full IoT connected sensor, providing active scanning of BLE enabled devices.



### Support for OSDP

Provides support for the OSDP communications standard, enabling advanced communication and security features for transmission of data between reader and controller.



### On-board WiFi

Integration with hi bandwidth WiFi backbone for secure remote management and event collection for business intelligence.

## Streamline end-user experience with a single credential

Consolidate all your credentials into one secure, convenient location in the Zerv software.

## Contact Tracing, Positioning & Location Services

Zerver R has the ability to identify the positioning of individuals which allows you to detect all people and objects entering and exiting doors even if they don't badge in or out, giving you awareness of who is in the building at any time.

## Cloud Based Access Control

Monitor, control and distribute software updates over WiFi direct to the in-field reader all from the Zerv software.

## Simple installation

The Zerver R can be installed directly into an existing access control panel, or via Wi-Fi.

## Keep using existing cards and badges

Maintain support for all major cards, fobs, and badges so you can give employees the option of choosing mobile access or keeping their existing credentials.

## Reduce card issuance & management cost

Mobile credential management eliminates costs associated with deployment and re-issuance of traditional physical access cards.

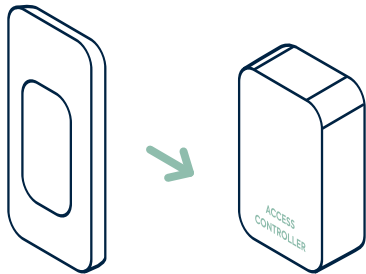
## Your ID is Yours

Eliminate the risks of using legacy cards which are easily stolen, lost or duplicated. The Zerv software sends your credentials with a highly secure, best-of-breed encryption standard between the device and the reader, ensuring your ID can't be compromised.

## Multi-factor Authentication

Set credential rules including 2FA with a biometric or pin, geo-fencing & time limits.

## Installation



**Option 1:** The Zerver R can be powered from the host controller. By connecting the Zerver R directly to the control pane. Mobile access is provided by the Zerv software and all legacy credentials are supported.



**Option 2:** If there is no existing access controller, the Zerver R can operate stand-alone with built-in relay or connected through Wi-Fi, providing you with cloud-based access control.

## Tech Specs

	Mullion Reader	Wall Mount	Keypad
Mounting	Mullion	Wall Mount	Keypad
Carrier Frequencies	125kHz/13.56/NGC/2.45GHz/WiFi		
Output	Weigand, RS-485, or OSDP		
Current Consumption @ 12V	80mA Average 110mA Peak	110mA Average 155mA Peak	150mA Average 180mA Peak
Power Supply	5 – 16 VDC		
Product Weight	141g / 4.97oz +-5%	290g / 10.23oz +-5%	310g / 10.93oz +-5%
Dimensions	11.8 x 4.3 x 2.8cm 4.6 x 1.7 x 1.1in	11.8 x 7.8 x 2.8cm 4.6 x 3.1 x 1.1in	11.8 x 7.8 x 2.8cm 4.6 x 3.1 x 1.1in
Color	Black		
Housing Material	UL94 Polycarbonate		
Operating Temperature	-35...+65°C / -31...+149°F		
Storage Temperature	-35...+85°C / -31...+189°F		
Operating Humidity	5% to 95% relative humidity (non-condensing)		
Connection	Pigtail		
Status Indicator	LED and Buzzer		
Firmware	WiFi, BLE		
Cable Distance (22AWG wire)	Wiegand 152m/500ft (22 AWG wire), RS-485 1200m* */400ft**		
Low Frequency Card Compatibility (125 kHz)	HiD®, Indala®, Casi Rusco®, AWID, Farpointe® & others		
High Frequency Card Compatibility (13.56 kHz)	MiFARE Classic, DESFire EV2, ISO15693 CSN, ISO14443A/B CSN/UID		
Read Range	<b>High Frequency (13.56 MHz)</b> Java Cards: up to 4cm / 1.6" MIFARE Classic: Up to 6cm/2.4" DESFire EV2: Up to 6cm/2.4" <b>Low Frequency (125 kHz)</b> Up to 7cm / 2.8"		
Certifications	FCC, CE, IC, C-Tick, RoHS2		
Environmental Protection	IP65		