

# KR900 Series

## Multi-tech RFID Reader



KR900 series is a high-security RFID reader, that supports 125KHz and 13.56MHz cards. This series features tamper-proof alarm functionality and offer two communication modes: Wiegand only and Wiegand & RS485. The RS485 communication protocol supports ZK-RS485 or OSDP (Ver2.1.7), making it compatible with ZKTeco access control standalone devices and controllers. Also, Wiegand and OSDP communication protocols also enable integration with third-party access control devices.

Available in six models, each reader offers distinct features including optional physical keypads and flexible authentication methods. All models support ID cards at 125kHz and IC cards at 13.56MHz, with a verification speed under 0.3 seconds and recognition distance of up to 4cm. They also feature a tamper switch, indicators, and an audio buzzer.

The KR900 series installation is compatible with:

- Mullion mount (KR901, KR902).
- Single gang and European gang box (KR901S, KR902S with back box).
- Asian gang box (KR903, KR904).
- Flat surface mount (all models).

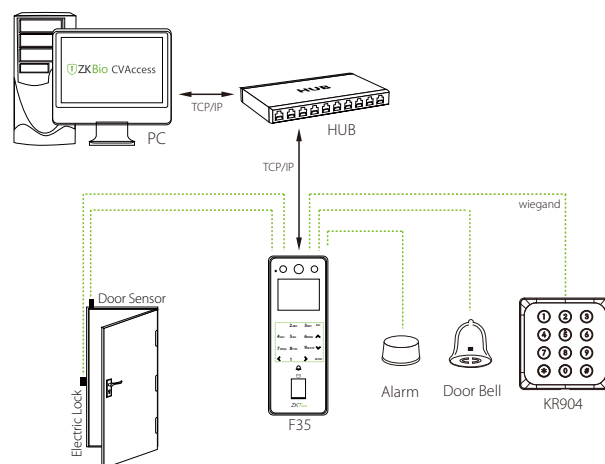
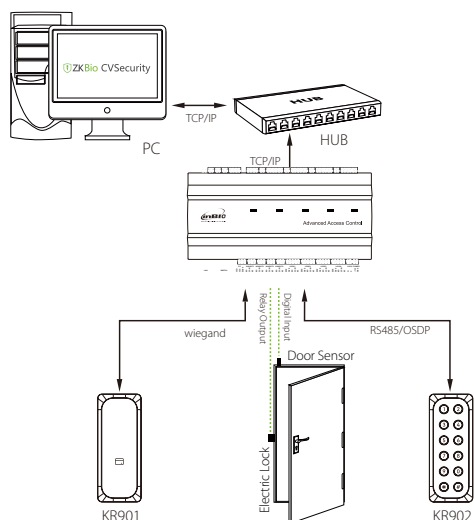
## Features

- Support multi-frequency 125kHz ID card and 13.56MHz IC card, including DESFire EV1 / EV2 / EV3 and NTAG.
- Two communication options: Wiegand only or Wiegand + RS485 (ZK-RS485 or OSDP Version 2.1.7).
- Tamper detection and alarm.
- Multiple authentication methods: card or card with PIN code.
- Achieved IP65 protection rating with dustproof and waterproof.

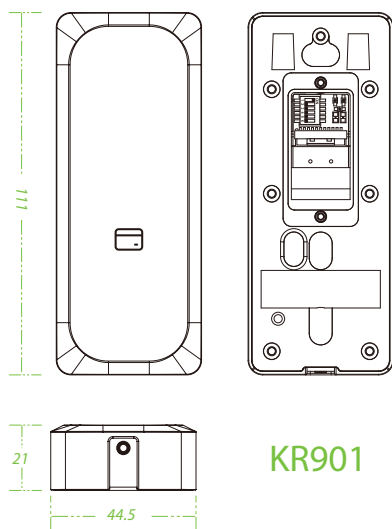
## Specifications

Model	KR901	KR901S	KR902	KR902S	KR903	KR904
Hardware	Physical Keypad: N/A RFID Module: ID & IC Tamper Switch: Support	Physical Keypad: N/A RFID Module: ID & IC Tamper Switch: Support	Physical Keypad: 12keys RFID Module: ID & IC Tamper Switch: Support	Physical Keypad: 12keys RFID Module: ID & IC Tamper Switch: Support	Physical Keypad: N/A RFID Module: ID & IC Tamper Switch: Support	Physical Keypad: 12keys RFID Module: ID & IC Tamper Switch: Support
Authentication Method	Card	Card	Card / Password	Card / Password	Card	Card / Password
Card Type	ID Card@125kHz & IC Card@13.56MHz (Standard)					
Verification Speed	< 0.3s @ Card					
Recognition Distance	< 4cm @ Card					
Communion	Wiegand output only (W34 / 66) Or RS485 (ZK-RS485 / OSDP) & Wiegand output (W34 / 66) Note: Support Wiegand format switching (Default: W34)					
Visual Indicator	LED Indicators Power On:Blue = standby Status: Green = Verification successful Red = Verification failed					
Audio Indicator	Buzzer					
Tamper Switch	Support					
Operating Environment	Indoor / Outdoor					
Power Supply	9V~12V DC					
Operating Temperature	-20 C to 60 C					
Operating Humidity	10% - 90% RH (Non-condensing)					
Dimensions (L*W*H)	111*44.5*21mm	124*77*20.9mm	111*44.5*21.8mm	124*77*20.9mm	86*86*16.15mm	86*86*16.15mm
Gross Weight	0.16Kg	0.19Kg	0.16Kg	0.19Kg	0.17Kg	0.17Kg
Net Weight	0.13Kg	0.16Kg	0.13Kg	0.16Kg	0.14Kg	0.14Kg
Installation	Compatible with mullion mount or flat surface mounting	Wall-mount (Compatible with Single gang box / European gang box) or flat surface mounting	Compatible with mullion mount or any flat surface mounting	Wall-mount (Compatible with Single gang box / European gang box) or flat surface mounting	Wall-mount (Compatible with Asian gang box) or flat surface mounting	Wall-mount (Compatible with Asian gang box) or flat surface mounting
Housing Material	ABS Plastic					
Ingress Protection Rating	IP65 (water & dust proof)					
Certifications	ISO9001, ISO14001, CE, FCC, RoHS					
Factory ID	AC03-KR91H-01	AC03-KR91H-01	AC03-KR92H-01	AC03-KR92H-01	AC03-KR93H-01	AC03-KR94H-01

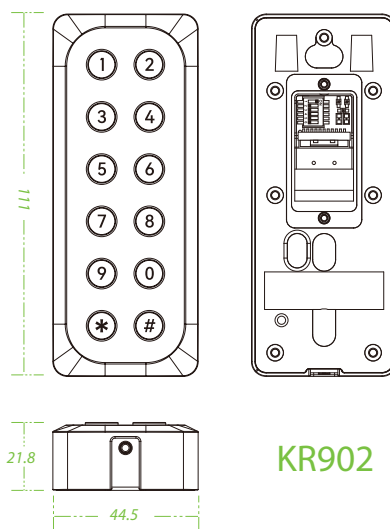
## Configuration



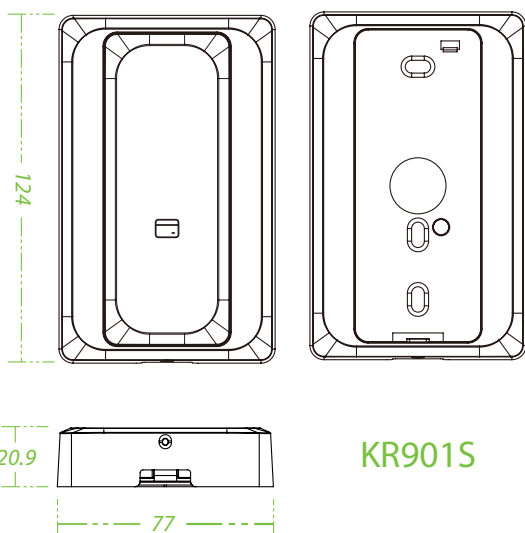
## Dimensions(mm)



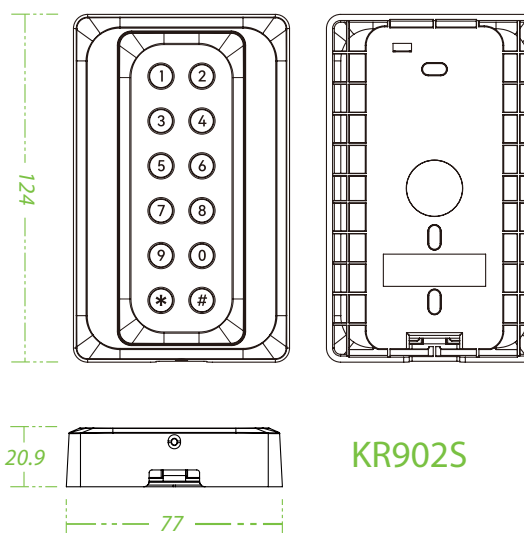
KR901



KR902



KR901S



KR902S

