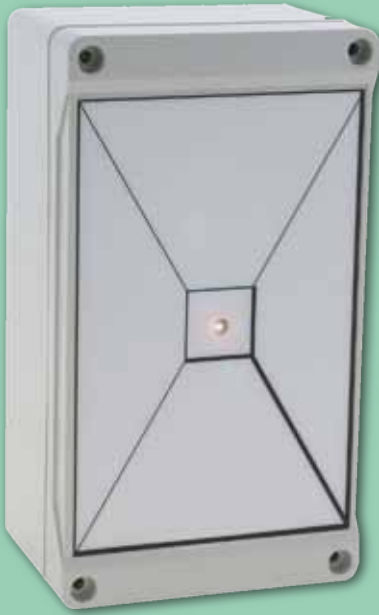




# LONG RANGE RECEIVER FR-4000



FR-4000 is ideal for long range access control applications, such as opening parking gates, raising and lowering vehicle barriers, arming and disarming alarm systems, as well as those applications calling for emergency duress. The Ranger Receiver was designed to output Wiegand data and install similar to our proximity readers for easy integration to most access control systems.

Advanced antenna-free technology utilizes 433 MHz UHF frequency and offers up to 150-feet of read range easily adjustable with built-in dial.

Simple control panel adjustment allows for fine tuning of read range and channel selection. Local LED feedback adds to ease of installation and configuration.

Having dual Wiegand outputs built-in, allows a single FR-4000 to control 2 adjacent doors or parking gates. Each button on a 4-button transmitter can control one of the 4 adjacent doors by installing 2 receivers within each other's range.

## Features :



**Encrypted Transmission** guards against code grabbing and scanning

**Rolling Code** combined with sophisticated encryption between Transmitter and Receiver provides best-in-class security.



**Weather resistant enclosure** allows both indoor and outdoor installation

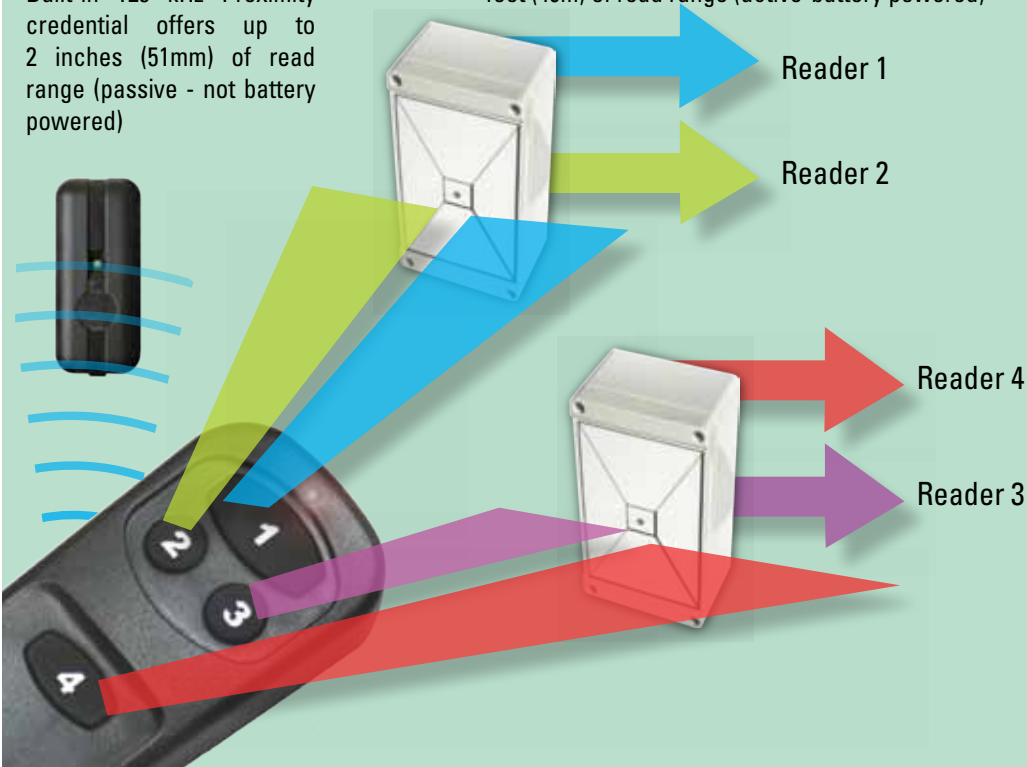


**Compact design** allows the Transmitters can be carried on a key chain or a lanyard. It may be fixed to a vehicle's dashboard with Velcro for convenient gate access.

### RBH Prox compatible!

Built-in 125 kHz Proximity credential offers up to 2 inches (51mm) of read range (passive - not battery powered)

**Long range!** 433 MHz UHF frequency offers up to 150 feet (46m) of read range (active-battery powered)



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# FR-4000

# SPECIFICATIONS



RBH-FR-4000 Receiver  
(IP66 compliant plastic enclosure)

## Receiver

Frequency :	433 MHz UHF
Reader Data Formats :	Wiegand (26 bit and other formats)
Read range :	Up to 150' (Adjustable)
Visual annunciation :	Internal and External LEDs
Audio annunciation :	Built-in piezo sounder
Mounting :	Flat surface, single-gang US/European wall-box
Size :	6.3" x 3.4" x 2.3" (160 mm x 86.3 mm x 58.4 mm)
Weight :	9.3 oz. (289.3 g)
Operating Temperature :	-40° F to +149° F (-40° C to +65° C)
Wiring :	500' (152 m) max, 18 AWG, 6-7 conductor shielded cable
Operating voltage :	+8 to 24 VDC
Power draw :	80 mA typical
Included in the box :	Receiver, mounting template, manual
Warranty :	Limited 1 year warranty against defects in materials and workmanship
Certifications :	

# TR-1/TR-4



TR-1 Single button transmitter



TR-4 Four button transmitter

## Transmitters

TRANSMITTER MODEL	TR-1	TR-4
BUTTONS	1	4
Button Press Range / Frequency :	Up to 150' (46 m) / 433 MHz UHF (Active- battery powered, FR-4000 compatible)	
Presentation Range / Frequency :	Up to 2" (51 mm) / 125 kHz (Passive, RBH FR-360, FR-480 and FK-640 compatible)	
Data Formats :	Wiegand (26-bit industry standard and custom Wiegand formats)	
Visual annunciation :	LED	
Marking :	Date code and ID	
Mounting :	key chain, lanyard, flat surface with Velcro	
Size :	2.3" x 1.3" x 0.4" (58.4 mm x 33 mm x 10.2 mm)	
Weight :	0.7 oz. (21.8 g) nominal	
Battery :	Replaceable 27A, NM27-sized 12 Volt Alkaline	
Enclosure :	Black polycarbonate	
Security Features :	Rolling code + Encryption algorithm	
Warranty :	Limited 1 year warranty against defects in materials and workmanship	
Certifications :		

\*Specifications are subject to change without notice.



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