



# Smartfob

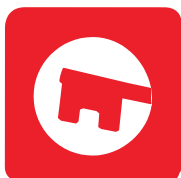
## DUAL-TECHNOLOGY WIRELESS ACCESS CONTROL

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CLICK OPERATION FOR  
LONG RANGE APPLICATIONS

INTEGRATED PROXIMITY MODULE  
FOR SHORT RANGE APPLICATIONS



### FEATURES

- Click-operated RF functionality for parking or other long range applications
- Omnidirectional read range of up to 100 feet
- Two button transmitters for In / Out applications
- Optional HID Proximity module for traditional short range access control
- Transmitter conveniently attaches to key ring

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## Click-Operated RF Functionality for Long Range Applications:

Smartfob is a click-operated RF transmitter that provides up to 100 feet of read range ensuring end user convenience as well as personal security. Cansec uses wireless, omnidirectional RF technology that does not need to be aimed at a receiver or require direct line of site. Smartfob has two buttons which can be factory programmed for individual functionality. The standard programming enables the use of one button for "IN" use and the other button for "OUT" use. Because Smartfob Receivers are equipped with two distinct Wiegand outputs, only one receiver is required for IN/OUT applications where both entrances/exits are in close proximity to one another.

## Short Range RF "Proximity" Functionality for Traditional Access Control:

Cansec's Smartfob transmitter can be optionally fitted with a proximity module for use on HID proximity readers. This eliminates the need for end users to carry a separate credential for traditional door access control.

## Smartfob is Secure:

Smartfob operates at a 418 MHz frequency and utilizes Cansec code scrambling technology for high security. This technology combines a 16 bit scrambling technique generated by a non-linear algorithm. This technique eliminates the threat of code scanning as each transmission is unique, thus rendering code capture and resend schemes useless. All scrambled data is stored in EEPROM which is not accessible via any external connection.

### Specifications

### SF100 Smartfob Transmitter

Read Range:	up to 100 feet to Smartfob Receiver
Dimensions:	3.5 cm(H) x 5 cm(W) carried on key ring
Frequency:	418 MHz
LED Indicator:	standard red indicator
Operation:	two buttons for separate In/Out operation
Operating Temperature:	-40° to 65° C
Battery:	standard 12V alkaline battery

### Specifications

### SFR100 Smartfob Receiver

Receiver Data Output:	Wiegand, 26 Bit or Cansec format
Receiver Ports:	2 ports, button 1 and 2
Receiver Cable:	4 conductor stranded, overall Shield, Max 500 ft.



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