

# BR 250 BADGE READER

007:V SPECIFICATION SHEET



**VIDEOFIED**  
ULTIMATE SECURITY



## BR 250 BADGE READER OUTDOOR PROXIMITY BADGE READER

### Description

**The Outdoor Proximity Reader Model BR is a battery operated, wireless Proximity Reader designed for arming and disarming operation of Videofied security systems. The Proximity Reader consists of two LEDs for status information, a built in sounder, S2View® Spread Spectrum, interactive, encrypted wireless circuitry for secure two-way communication with the control panel, and is multi badge programmable.**

**The LED display provides status information of arming, disarming, partial arming, tamper fault, and maintenance.**

The Proximity Reader is typically installed near entry/exit doors to allow system users enough time to arm and exit the premises and to enter and disarm the system before time delays expire.

When the system is armed, the built in sounder emits short beeps and one red and one green LED flash to identify arming. Upon entering the armed premises and swiping a programmed badge, the built in sounder emits short beeps and two green LED flashes to identify disarming. A dual tamper function provides detection for both Badge Reader cover and wall tamper.

The Proximity Reader is powered by three lithium batteries that can last up to four years or more, depending on the amount of Proximity Reader activity. The Proximity Reader transmits a checkin signal every 8 minutes that includes its unique identification code, along with the tamper condition, serial number, date of manufacture, software revision and battery status.

### Features

- S2View® - Spread Spectrum, Videofied, Interactive AES Encrypted Wireless technology provides optimum signal integrity and security.
- Mobility - Use outdoors or indoors with a fully weather proof housing with standing temperatures from -20° to +60°C (-10°/140°F).
- Displays two LED flashes along with a series of beeps to identify the armed or disarmed status.
- Built in sounder lets you know when the Badge Reader detects your card or badge.

- Lithium batteries - four years (Estimated).
- Dual Tamper - provides detection for both wall and cover tamper conditions.
- Supervised- Transmits a check-in/ status signal every 8 minutes indicating tamper state, serial number, date of manufacture, software revision and battery status.
- Uses MIFARE class, 13.56MHz, 1K or 4K, Keyfobs or badges.

### Applications

- Arming and disarming Videofied security systems.



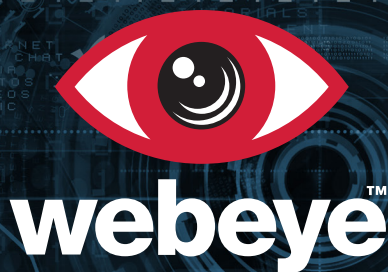
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## Power requirements

Type	3 x 3.6V SAFT Lithium, LS14500, AA Batteries Only
Nominal Volatage	3.6V
Low Voltage Limit	2.7V
Battery life (estimated)	Up to 4 years

## RF Technology

S2View®

Radio type	Spread Spectrum Bidirectional
Operating frequency	868MHz
Transmission security	AES algorithm encryption
Supervision	Panel signal every 8 minutes
Antenna	Integrated

Tamper detection	Wall and cover tampered
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Display lighting	Automatic/2 LED
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## Built-in sounder

Emits arm and disarm beeps

Operating Temperature	-30°C - +60°C
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Maximum relative humidity	95%, non-condensing
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Material	Polycarbonate UL94
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Dimensions	140 x 90 x 38mm
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Weight	136 grams (without batteries)
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## Installation / Mounting

Unit/Base	2 screws secure Badge reader
	to the base. 3 screws secure
	base to the wall

## Certification & Approvals

BR 250	CE
	EN50131-Grade2

## Approvals pending

BR 250	IDA
	NCP



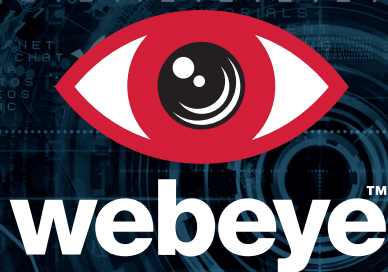
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### FCC Regulatory Information for USA and Canada

FCC Part 15.21 Changes or modifications made to this equipment not expressly approved by RSI VideoTechnologies may void the FCC authorization to operate this equipment.

#### FCC Part 15.105 Class B

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

#### Radio frequency radiation exposure information according 2.1091 / 2.1093 / OET bulletin 65

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry Canada.

Operation is subject to the following two conditions:

- 1: This device may not cause harmful interference, and
- 2: This device must accept any interference received, including interference that may cause undesired operation.

Cet appareil est conforme à la Partie 15 des réglementations de la FCC et avec la norme RSS-210 de l'Industrie Canadienne. Son fonctionnement est soumis aux deux conditions suivantes :

- 1: Cet appareil ne doit pas causer d'interférences nuisibles et
- 2: Cet appareil doit accepter toute interférence reçue, y compris les interférences pouvant entraîner un fonctionnement indésirable.



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