Outdoor Proximity Badge Reader

Product presentation

The BR badge reader is designed to be used within a Video Verification™ alarm system.
Its main features are :

- Interactive wireless technology.
- Dual tamper function.
- Transmits check-in/status signals every 8 minutes
- Lithium batteries : 4 years lifespan.
- Mobility-Use outdoors or indoors with a fully weatherproof casing withstanding temperatures from -25°C to +70°C (-13°/158°F).

Installation and Programming

The following provides summarized steps for device programming and testing.

1 Mount the base to the wall observing the "TOP" marking.

2 Insert the recommended 3.6V Lithium batteries observing correct polarity.

3 With the programming keypad, browse to the ADD A NEW DEVICE menu (Level 4).

4 Press OK/YES. The keypad displays PRESS PROGRAM BUTTON OF DEVICE.

5 Press program button. The button blinks in green. Wait for keypad to display BADGE READER n RECORDED.

6 Press OK/YES. The display shows RADIO RANGE TEST?

7 Press OK/YES again to run the test. The keypad display shows TEST IN PROGRESS.

8 Please make sure the top LED blinks in red, indicating good communication with the control panel. The test result must stabilize at 8/9 as a minimum.

If the radio range level is below 8/9, change the location of the detector to obtain satisfactory radio range level.

9 Press OK/YES to end the radio range test then ESC NO.

10 Choose a zone for that badge reader (by default that zone will be delayed) and name it.

11 The keypad displays OPERATION COMPLETED ? Mount the badge reader on its base and press OK/YES.

12 Name the detector. When finished, keep ESC NO pressed to exit from configuration mode.

For full programming details, please refer to the control panel installation manual.

Installation guidelines

RF testing will ensure good communication between the control panel and all system devices. Install the badge reader and other system devices in the order of the following steps :

> Program the badge reader and all other devices into the control panel and test RF communication from each intended device location to the control panel.

> Mount the badge reader at the final location.

Battery Case

INIT Button

MADE IN FRANCE
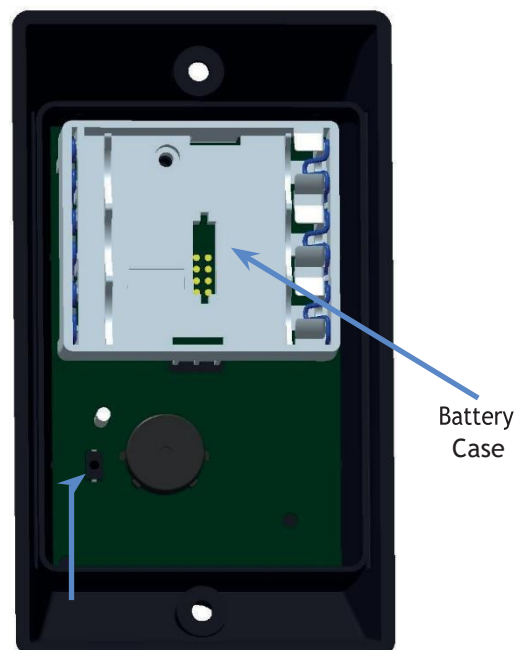
Functioning of indicators

During arming

When reading the badge, the reader emits a beep, then two beeps indicating the badge has been accepted. The LED indicators of the reader are going to indicate a message:

Problem was identified during the incomplete arming (detection in and instant area)

Everything is fine : System is arming

The LEDs will stay on for 5 seconds

The arming stops.

The two indicators flash green for 5s then turn off: A fault was detected.

In order to know more about what happened a keypad is required.

Without action from the user, arming will start again after 3 min and the concerned detector will be bypassed from this arming.

Flashing of the top red indicator (only) every second during arming delay.

The top red indicator flashes every two seconds indicating that the system is armed.

During disarming

When reading the badge, the reader emits a beep, then two beeps indicating the badge has been accepted. The LED indicators of the reader are going to indicate a message:

An alarm triggered on

The top indicator flashes green for 2s, and that of the bottom flashes fixed green light and the reader beeps 4 times

There was no alarm

The two indicators remain on with fixed green light for 5 seconds

Verify with a keypad in order to know more about what happened

The two indicators turn off, the system is disarmed.

Security notes / (FR) Notes de sécurité / (DE) Hinweise zur Sicherheit

English

- *Remove the batteries before any maintenance !*
- *WARNING, there is a risk of explosion if a battery is replaced by an improper model !*
- *Observe polarity when setting up the batteries!*
- *Do not litter the batteries when they are used! Dispose of them properly according to Lithium Metal requirements*

Français

- *Retirez les piles avant toute opération de maintenance !*
- *Attention ! Il y a un risque d'explosion si la batterie utilisée est remplacée par un mauvais modèle !*
- *Respectez la polarité lors de la mise en place des piles !*
- *Ne jetez pas les batteries usagées ! Ramenez-les à votre installateur ou à un point de collecte spécialisé.*

Deutsch

- *Batterien vor jeglichen Wartungsarbeiten entfernen!*
- *Vorsicht, es besteht Explosionsgefahr, wenn eine Batterie durch eine Batterie falschen Models ersetzt wird!*
- *Achten Sie beim Einsetzen der Batterien auf die Polung!*
- *Entsorgen Sie Batterien nicht im normalen Haushaltsmüll! Bringen Sie Ihre verbrauchten Batterien zu den öffentlichen Sammelstellen.*

FCC Regulatory Information for USA and CANADA

FCC Part 15.21 Changes or modifications made to this equipment not expressly approved by RSI Video Technologies 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.

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé.

Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

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 Industry Canada licence-exempt RSS standard(s)

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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes :

1 L'appareil ne doit pas produire de brouillage, et
2 L'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Outdoor Proximity Badge Reader

ELECTRICAL PROPERTIES

Panel compatibility	W, X and VISIO series

Power requirements	Type C - 3 Lithium batteries
Battery brand and reference	SAFT LS14500 or EVE ER14505X
Nominal battery voltage	3.6 V
Low battery limit	2.75 V
Estimated battery life	Up to 4 years
Current consumption	
Standby (1h average)	24 µA

RADIO PROPERTIES

RF S2View® technology	
Radio type	Spread spectrum RF bidirectional
Operating frequency	
• 868MHz - BR250 (Europe, Africa, Asia)	
• 902/928MHz - FHSS - BR651 (USA, Canada, South America)	
• 915/928MHz - FHSS - BR752 (Australia, South America)	
• 902/907.5MHz & 915/928MHz – FHSS – BR850 (Brazil)	
Transmission security	AES algorithm encryption
Supervision	Radio, batteries, tamper
Radio antenna	Integrated

BOX

Physical properties	
Protection marking	IP44 / IK08
Material	Polycarbonate UL94
Dimensions	140 mm x 90 mm x 38 mm
Weight	136 g (without battery)

Light & Sound	
Display lighting	Automatic 2 LED
Built-in sounder	Emits arm and disarm beeps

Environmental properties	
Operating temperature	-25˚/+70˚C
Max relative humidity	95%, without condensing

Installation / Mounting	
Wall mounting	3 screws
Box sealing	2 screws

Tamper	
Tamper detection	Cover and wall tamper

STANDARDS AND CERTIFICATIONS

CE	**868 MHz (BR 250)**

Standards :	
EN60950-1 :	2006 +A11+A1+AC+A12
EN300220-1	V2.4.1
EN300220-2	V2.4.1
NF EN50130-5:	2011 Class IV
NF EN50131-3:	2009 - Grade 2
NF EN50131-5-3:	2005+/A1:2008 - Grade 2
NF EN50131-6:	2008 Grade 2 –Type C
Certifications :	
Europe	CE / EN50131 Grade 2
Netherlands	NCP
Singapour	IDA
South Africa	ICASA

FC	**902/928MHz (BR651)**

USA FCC	Part 15C
Canada IC	RSS-247 Issue 1

	915/928MHz (BR753)

Australia RCM	AS/NZS4268

902/907.5MHz & 915/928MHz (BR850)

Brazil	ANATEL Agência Nacional de Telecomunicações

Este equipamento opera em caráter secundário, isto é, não tem direito a proteção contra interferência prejudicial, mesmo de estações do mesmo tipo, e não pode causar interferência a sistemas operando em caráter primário.