



# BR OUTDOOR BADGE READER

DOC. - REF. 228-BR  
MODIF. DATE : SEPTEMBER 2017

- Wireless interactive technology
- Mobility-Use outdoors or indoors with a fully weatherproof casing withstanding temperatures from -25°C to +70°C.
- Transmits check-in/status signals every 8 minutes
- Lithium batteries : 4 years lifespan.

## 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, Wiselink 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 activity. The Proximity Reader transmits a check-in 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

- > Wiselink® - 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 -25° to +70°C.
- > 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 - up to four years.
- > Dual Tamper - provides detection for both wall and cover tamper condititions.
- > 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 badges.

## Applications

- > Arming and disarming Videofied security systems.



# BR OUTDOOR BADGE READER

## ELECTRICAL PROPERTIES

<b>Panel compatibility</b>	W, X and VISIO series
<b>Power requirements</b>	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
<b>Current consumption</b>	
Standby (1h average)	24 µA

## RADIO PROPERTIES

<b>RF Wiselink® technology</b>	
Radio type	Spread spectrum RF bidirectional
Operating frequency	<ul style="list-style-type: none"> <li>• 868MHz - BR250 (Europe, Africa, Asia)</li> <li>• 865/867MHz - BR350 (India)</li> <li>• 902/928MHz - FHSS - BR651 (USA, Canada, South America)</li> <li>• 915/928MHz - FHSS - BR752 (Australia, South America)</li> <li>• 902/907.5MHz &amp; 915/928MHz – FHSS – BR850 (Brazil)</li> </ul>
Transmission security	AES algorithm encryption
Supervision	Radio, batteries, tamper
Radio antenna	Integrated

## STANDARDS AND CERTIFICATIONS

BR 250	868MHz
Europe	 Compliant with Directive 2014/53/EU for RED Radio Equipment Directive Intertek LSS (EN50131-2-2) Id: 16LHK0199-01
BR 651	902/928MHz - FHSS
Argentina	 Certification number C-17501
Canada	IC (RSS-247 issue 1) Id: 8816A-MV50
Columbia	
Costa Rica	SUTEL 00914-SUTEL-DGC-2017
Mexico	IFT Certification number RCPISII7-0298
Panama	Certification number 1718
Peru	Certification number TRSS38410 «En Perú, este equipo diseñado para la banda de 902-928MHz, debe ser configurado para operar solo en la banda 915-928MHz con una PIRE de hasta 1W (30dBm) y sujeto a las Condiciones de Operación que establezca el MTC.»
USA	 (Part 15C) Id: X46MV50

## BOX

<b>Physical properties</b>	
Protection marking	IP44 / IK08
Material	Polycarbonate UL94
Dimensions	140 mm x 90 mm x 38 mm
Weight	136 g (without battery)
<b>Light &amp; Sound</b>	
Display lighting	Automatic 2 LED
Built-in sounder	Emits arm and disarm beeps
<b>Environmental properties</b>	
Operating temperature	-25°/+70°C
Max relative humidity	95%, without condensing
<b>Installation / Mounting</b>	
Wall mounting	3 screws
Box sealing	2 screws
<b>Tamper</b>	
Tamper detection	Cover and wall tamper

BR 350	865/867 MHz
India	 Compliant with Certification number
BR 753	915/928MHz - FHSS
Australia	 C-Tick (AS/NZ4268)
Chile	SUBTEL Certification number 2661/DO_36683/F26
BR 850	902/907.5MHz & 915/928MHz
Brazil	 Certification Number 00615-17-10210 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.

### EMEA SALES

23, avenue du Général Leclerc  
 92340 BOURG-LA-REINE  
 FRANCE  
 E-Mail : emeasales@rsivideotech.com

### North American Headquarters

1375 Willow Lake Blvd, Suite 103  
 Vadnais Heights, MN 55110  
 USA  
 E-Mail : usasales@rsivideotech.com

