

## Product Summary

The Outdoor Badge Reader BR651 is designed for use in operating a Videofied security system. The Outdoor Badge Reader includes the following features:

- > Totally wireless, battery operated
- > Dual tamper function provides detection for both wall and cover tamper.
- > Transmits check-in/status signal every 8 minutes.
- > Mobility-Use outdoors or indoors with a fully weather proof casing withstanding temperatures from -25°C to +60°C.
- > Depending the alarm panel used, up to 18 badges can be recorded.

## Installation Guidelines

For easier installation and programming, RF testing should be done to check for good communication between the control panel and all system devices before mounting system devices. Install the badge reader and other system devices in order of the following steps:

- > Programming/RF Testing - program reader and all other devices into the control panel and test RF communication from each intended device location to the control panel.
- > Mounting - mount reader at the tested location.

## Programming /RF Testing

The following provides summarized steps for device programming and testing. For complete details, refer to the control panel installation manual.

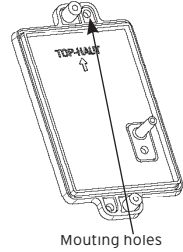
- 1 Remove top and bottom screw, separate base from Badge Reader and install batteries.
- 2 Put control panel into configuration/add a new device mode using the keypad.
- 3 Press the programming button on the inside of the case.
- 4 Wait for keypad display to show Badge Reader Recorded
- 5 Re-attach base to secure tamper switch.
- 6 Press **Yes** on the keypad. The display shows RADIO RANGE TEST? Press **Yes** again. The detector LED starts flashing and keypad display shows TEST IN PROGRESS.
- 7 Take badge reader to its intended mounting location and make sure LED flashes continuously, indicating good communication with control panel.
- 8 Press **Yes** to end radio range test, then press **Esc/No**.
- 9 The display shows RECORDING A NEW DEVICE? Repeat steps 4 - 8 for remaining badge readers.
- 10 When finished, exit from configuration mode.



## Mounting

► Use proper tools and hardware.

- 1 Separate base from Badge Reader
- 2 Hold base up against mounting surface and mark the three mounting holes.
- 3 Drill pilot holes and install anchors where needed.
- 4 Place base on mounting surface so mounting holes line up with pilot holes/anchors and secure unit with appropriate screws.
- 5 Install batteries, observing correct polarity.
- 6 Attach front cover of Badges Reader and secure with screws.



## Recording or deleting a badge

*You must read the installation manual to know how to record a new badge or delete or modify an existing one.*

Each code or badge is created with an access level and each access level has specific rights

Access level on XL	Definition & rights
LVL1	Stand by level
LVL2	<b>Restricted USER</b> level where it is only possible to arm/disarm the system.
LVL3	<b>USER</b> level where it is possible to arm/disarm the system, check the event log, test the devices. Modification of the settings is not possible at this level. LVL3 user can create LVL3, LVL2, or LVL1 access code.
LVL4	<b>INSTALLER</b> level where it is possible to modify the setup of the panel. The approval of a LVL3 or LVL2 is required to modify a code to LVL4. The LVL4 installer can create the first LVL3 access code only.

LVL3 (user) codes or badges can be recorded by the installer (LVL 4) only.

LVL3 (user) can record LVL2 (restricted User) codes or badges only.

Refer to the installation manual of the alarm panel to know how to modify the access level of an existing code or badge.

## Recording a new badge

With the keypad, go to the menu :

### Display of the keypad

BADGES  
ACCES CODES



ENTER A  
BADGE / CODE



BADGE OR CODE

Place your badge on the reader until you hear two beeps then after a few seconds the display will change

CODE NAME

Enter the name of the code and



ACCESS 2  
ENTRY COMPLETE

Wait

### Actions and commentaries

## Delete a code

With the keypad, go to the menu :

### Display of the keypad

ENTER A  
BADGE / CODE



DELETING  
BADGES / CODES



Then  to chose the concerned badge



to select the badge.

DELETING CODE  
ACCESS 5



to accept the deletion

BADGE DELETED

Then repeat the operation for other badges or press on [ESC] for 5 seconds to return to the initial menu.

### Functioning of indicators

The complete functioning of the indicators is only possible with the XL / XT / XV / VISIO v5.2 / V6000 V31.02 or superior control panels.



#### During arming

#### 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:

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

Everything is fine : System is arming

An alarm triggered on

There was no alarm

The LEDs will stay on for 5 seconds

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

The two indicators remain on with fixed green light 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.

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

The indicators goes off, the system is disarmed.

**Electrical Data**

Panel Compatibility	XL, Visio, XT, XTIP
Power requirements	Three 3.6 V batteries
Nominal Voltage	3.6V
Low Battery Limit	2.7V
Battery type	SAFT Lithium, LS14500
Battery life	Up to 4 years
RF technology	S <sup>2</sup> View®
Radio type	Spread Spectrum Bidirectional
Operating frequency	915 MHz
Transmission security	AES encryption algorithm
Supervision	Polled signal every 8 minutes
Antenna	Integrated
Tamper detection	Wall and Cover tamper
Display lighting	Automatic/ 2 LED
Built in sounder	Emits arm and disarm beeps
Operating temperature	-30°/+60°C (-20°/+140°F)
Maximum relative humidity	95%, non-condensing
Approvals	FCC Part 15C

**Physical Data**

Material	Polycarbonate UL94
Dimensions	140 mm x 90 mm x 38 mm (LxWxD): 5 1/2 in. x 3 1/2in. x 1 1/2 in.

**Installation/Mounting**

Unit/Base	2 screws secure the Badge Reader to the base. 3 screws secure base to flat mounting surface.
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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.



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