wLSN Relay Module

www.boschsecurity.com

BOSCH
Invented for life

- Wiring terminals for one Form C relay rated 2 A at 30 VDC (resistive load)
- Wiring terminals for supervised sensor loop input with adjustable supervision interval
- Wiring terminals for connection of optional alternate power source (6 VDC to 14 VDC)
- Externally-visible LED indicates RF signal strength
- Determine suitability of chosen installation location with RF Signal Strength (RFSS) mode

The wLSN Relay Module allows the control panel to switch outputs wirelessly by turning on or off a Form C relay. The wireless Local SecurityNetwork (wLSN) protocol allows multiple output devices, including the wLSN Relay Module, to be synchronized so that they all operate together using the same cadence.
The wLSN Relay Module also accepts a supervised sensor loop input from an external device.

Functions

Alternate Power Supply
An optional alternate external 6 VDC to 14 VDC power supply can be connected to the relay. The alternate power supply is used as a supplemental supply to power the relay.

Notice
Do not operate the wLSN Relay Module without batteries.

RF Signal Strength Mode
Removing the device cover and pressing the tamper switch four times within 10 seconds of battery installation activates the RF signal strength mode. The LED lights steady for 5 sec and then begins to flash. A slow flash (approximately 1 sec on, 1 sec off) indicates insufficient signal reception. A quickly flashing LED (approximately five times as fast as the slow flash) indicates the device is receiving sufficient signal from the wLSN Hub.

Certifications and approvals

Complies with EN50131-1 Grade 2, Environmental Class II

Region	Certification	
Europe	CE	2004/108/EC EMC Directive (EMC); 2006/95/EC Low-Voltage Directive (LVD); 1999/5/EC Radio equipment and
Belgium	INCERT	B-509-0054d

Installation/configuration notes

Compatibility Information
The wireless Local SecurityNetwork (wLSN) including the wLSN Relay Module is compatible with the Easy Series Control Panel.

Mounting Considerations
Mount the relay module on interior walls or ceilings where it is protected from weather elements such as rain or snow.

Notice
Installation on metal surfaces can affect the RF propagation pattern of the radio transceiver.

The RF transceiver has a range of approximately 1000 m (3000 ft) in open air. However, in normal operation, the actual RF range depends on building construction.

Parts included

Quant.	Component
1	Relay module
4	AA batteries (P/N: 16556)
1	Hardware pack
1	Literature pack

Technical specifications

Environmental Considerations

Environment:	Indoor, dry
EN50131-1:	Environmental Class II
Relative Humidity:	Up to 95%, non-condensing
Temperature (operating):	-10°C to +55°C (+14°F to +131°F)

Mechanical Properties

Color:	Off-white
Dimensions (H x W x D):	12.6 cm x 7.5 cm x 4.5 cm (5.0 in. x 3.0 in. x 1.8 in.)

Inputs

Type:	One supervised sensor loop

Outputs

Relay:	One Form C relay rated for 2 A at 30 VDC (resistive load)

Power Requirements

Battery Power

Battery Life:	2-2.5 years under normal operating conditions.
Battery Requirements:	Four AA Alkaline batteries
Recommended Replacements:	Duracell MN1500 or PC1500, Eveready E91, Panasonic AM-3PIX/B

External Power Supply (optional)

Voltage (supply):	6 VDC to 14 VDC

Transmission and Reception Characteristics

Frequency:	European Security Band 868 MHz to 869 MHz
Range (open field):	1000 m (3000 ft)

Trademarks

Trademark names are used throughout this document. In most cases, these designations are claimed as trademarks or registered trademarks in one or more countries by their respective owners. Rather than placing a trademark symbol in every occurrence of a trademark name, Bosch Security Systems, Inc. uses the names only in an editorial fashion and to the benefit of the trademark owner with no intention of infringing the trademark.

Duracell is a registered trademark of the Gillette Company, USA, in the United States and/or other countries.

Eveready is a registered trademark of Eveready Battery Company, Inc.

Panasonic is a registered trademark of a Matsushita Electric Industrial Co., Ltd.

Ordering information

wLSN Relay Module
Allows the control panel to switch outputs wirelessly
Order number **ISW-BRL1-WX**

Represented by:

Americas:
Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
security.sales@us.bosch.com
www.boschsecurity.us

Europe, Middle East, Africa:
Bosch Security Systems B.V.
P.O. Box 80002
5617 BA Eindhoven, The Netherlands
Phone: + 31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific:
Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia

China:
Bosch (Shanghai) Security Systems Ltd.
201 Building, No. 333 Fuquan Road North IBP
Changning District, Shanghai
200335 China
Phone +86 21 22181111
Fax: +86 21 22182398
www.boschsecurity.com.cn

America Latina:
Robert Bosch Ltda Security Systems Division
Via Anhanguera, Km 98
CEP 13065-900
Campinas, Sao Paulo, Brazil
Phone: +55 19 2103 2860
Fax: +55 19 2103 2862
latam.boschsecurity@bosch.com
www.boschsecurity.com

© Bosch Security Systems 2013 | Data subject to change without notice
2581026187 | en, V4, 01. Oct 2013