



wLSN Hub



The wLSN Hub acts as the link between the wireless Local SecurityNetwork (wLSN) devices and the control panel. The wLSN is a two-way communications system. The wLSN Hub communicates with the compatible control panels through a four-wire Option Bus interface and acts as the network master for the wLSN system. As the network master, the wLSN Hub provides network timing and synchronization, monitors sensor nodes and network status, and sends configuration data as required to the sensor nodes.

Certifications and Approvals

Listings and Approvals: **CE**
 Complies with: EN50131-1 Grade 2, Environmental class II

Installation/Configuration Notes

Compatibility Information

All wireless Local SecurityNetwork (wLSN) devices including the wLSN Hub are compatible with the Easy Series Control Panel.

Mounting Considerations

Mount the Hub on an interior wall or ceiling where it is protected from weather elements such as rain or snow, in

- ▶ Provides control of the wLSN system through an integrated base station transceiver module
- ▶ Provides two-way communication with compatible control panels through a four-wire Option Bus interface
- ▶ Detects RF interference (intentional and unintentional) and reacts to implement countermeasures
- ▶ Manages a non-volatile database of status and configuration information for all sensor nodes in the network
- ▶ Supervised for cover and wall tamper conditions

a location that appears suitable for RF performance, and where it can be conveniently wired to the control panel.

Note 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.

Parts Included

Quantity	Component
1	Hub
1	Hardware pack
1	Literature pack (language specific)

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):	8.1 cm x 10.0 cm x 3.1 cm (3.2 in. x 4.0 in. X 1.2 in.)

Power Requirements

Voltage (supply):	12 VDC nominal from control panel, 7.5 VDC to 15 VDC acceptable range
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Transmission and Reception Characteristics

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

Ordering Information

wLSN Hub (Czech)	ISW-BHB1-WXCS
wLSN Hub (German)	ISW-BHB1-WXDE
wLSN Hub (Danish)	ISW-BHB1-WXDA
wLSN Hub (English)	ISW-BHB1-WXEN
wLSN Hub (Spanish)	ISW-BHB1-WXES
wLSN Hub (Finnish)	ISW-BHB1-WXFI
wLSN Hub (French)	ISW-BHB1-WXFR
wLSN Hub (Greek)	ISW-BHB1-WXEL
wLSN Hub (Hungarian)	ISW-BHB1-WXHU
wLSN Hub (Italian)	ISW-BHB1-WXIT
wLSN Hub (Dutch)	ISW-BHB1-WXNL
wLSN Hub (Norwegian)	ISW-BHB1-WXNO
wLSN Hub (Polish)	ISW-BHB1-WXPL
wLSN Hub (Portuguese)	ISW-BHB1-WXPT
wLSN Hub (Russian)	ISW-BHB1-WXRU
wLSN Hub (Swedish)	ISW-BHB1-WXSV
wLSN Hub (Turkish)	ISW-BHB1-WXTR

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