

INSITE USER MANUAL (Switch Sender Part Only)



IMPORTANT NOTICE

Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: 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.**

Thank you for purchasing your INSITE Monitoring and tracking system.

We strive to manufacture all our products to the highest design and production standards, however we cannot be held liable in any way for loss, theft, damage or harm to any property or person(s) arising from its use, whether used in accordance with our recommendations or otherwise.

This device is provided as a "Do-It-Yourself" device for which you accept ALL responsibilities for its Installation, Monitoring, Maintenance and use. INSITE Communications and its affiliates do not accept any responsibility for the manner or application, in which this device is utilized.

INSITE Communications and its sales affiliates DO NOT accept any responsibility for the installation, programming, network provisioning, service interruption, activation and device or network performance.

Any device using Public Networks is subject to the performance and dependability of the networks, which are not under the control of INSITE Communications, or its affiliates.

In accepting this device into service, you agree to Indemnify and Hold INSITE Communications and its affiliates completely Harmless from any and ALL damages (Direct or indirect), expenses, costs (Including Attorney Fees and court costs), that may arise from the Purchase, Installation, programming, monitoring, function or malfunction, of the device and its accessories, in any network or application, whatsoever.

INSITE Communications cannot accept responsibility as to the operation or performance of the GPS (Global Positioning System). These systems are also out of INSITE Communications sphere of control. Furthermore, INSITE Communications assume no responsibility for the legality or otherwise, in the use of this equipment for tracking persons or vehicles. Always check your local laws on this before use.

INSITE is intended primarily as a Monitoring and vehicle/vessel tracking device. When used in a Security Application, it does not provide a hardened or resistant capability against hacking, defeat, breach or incapacitation, particularly when utilizing the WiPAN (Wireless Personal Area Network).

Best resistance to malicious attack, is obtained from using hard-wire switch connections, and by concealing or physically securing the INSITE unit and its accessories from any threat.

INSITE Communications accept no responsibility whatsoever for any security breaches, intended or unintended, consequential from the use of this device and its accessories, in security or any other application.

Insite Communications also reserve the right to modify, change or upgrade the product, its specifications, documentation and accessories, at any time without notice.

Note : This user manual covers the WiPan Transmitter & Receiver only. It is for FCC & IC application only.

FCC RF Radiation Exposure statement:

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.



INSITE Operating Manual

INTRODUCTION

Product Description.

WiPan is the Wireless Personal Area Network and it operates on 433MHz frequency. It is a part of the INSITE system. INSITE is a versatile Global System for Mobile communications (GSM) network monitoring and tracking device.

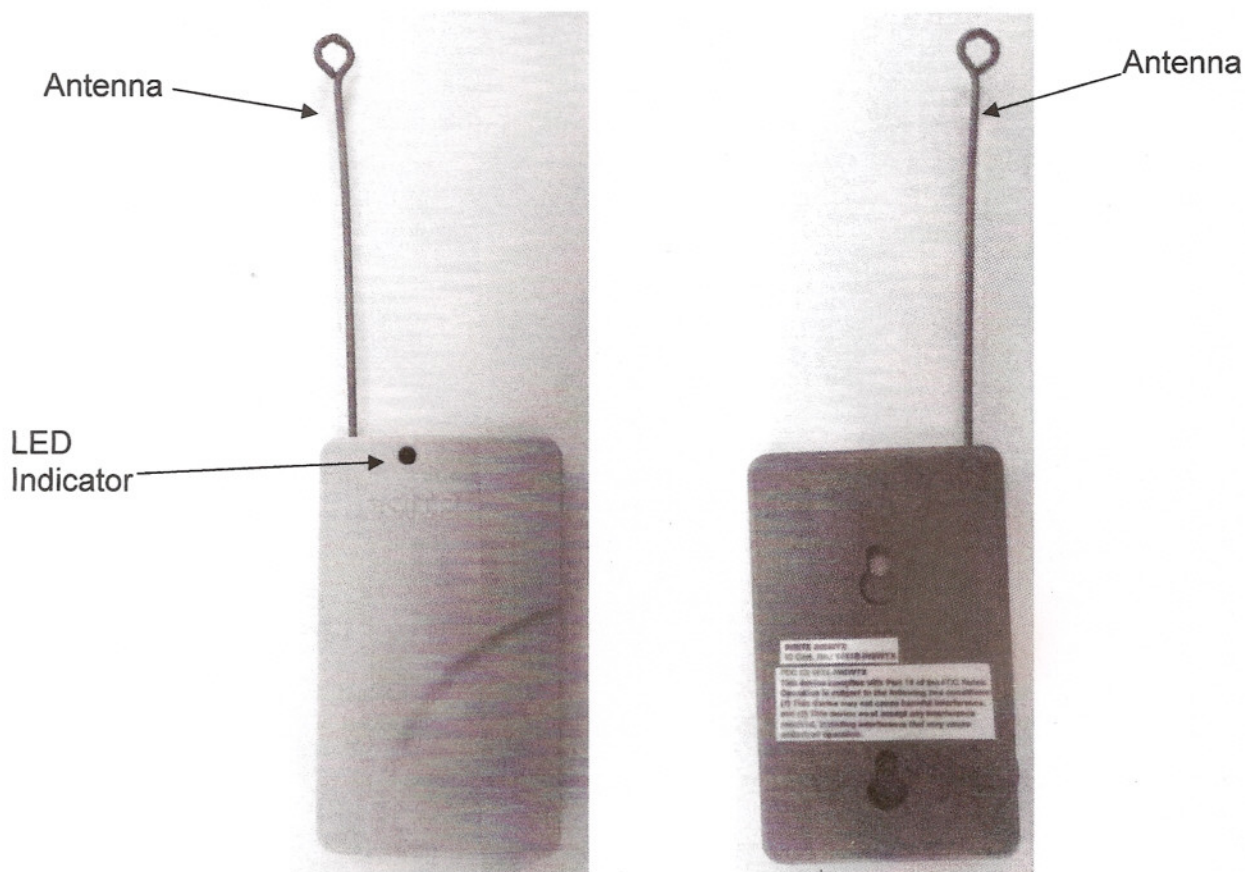
Insite utilizes the Short Message Service (SMS) commonly known as Text Messaging, to deliver alarms and information as text messages to as many as four receiving SMS phones. Each device (switch contact) that is monitored by INSITE, can be set to notify up to four different recipients by text whenever a state change occurs at the switch.

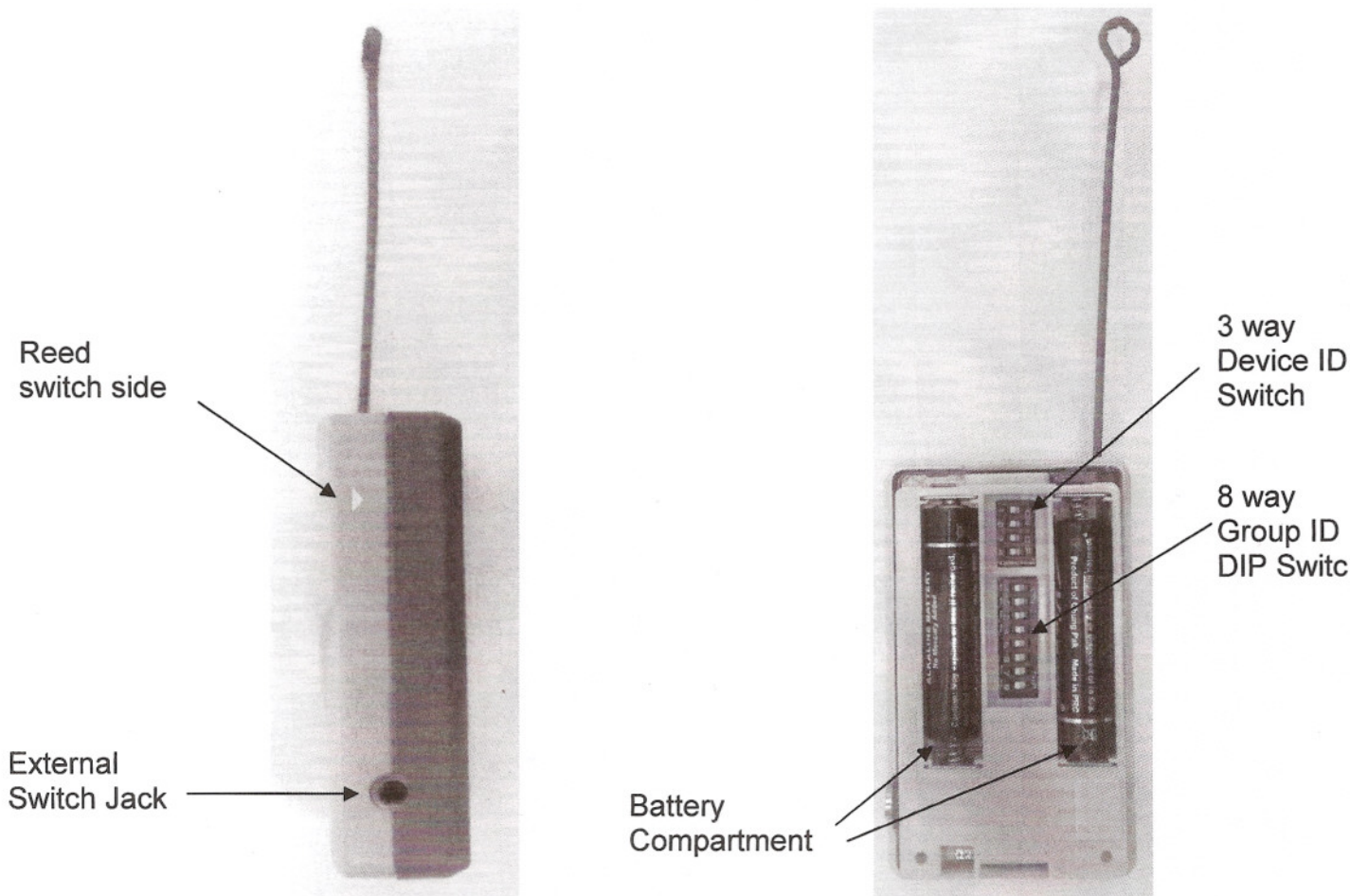
All messages delivered can be edited at SETUP to deliver full and specific meaning in each text message. It can monitor 8 contact inputs in any combination of Hard-wired or connected Wirelessly using a built in Wireless Personal Area Network (WiPAN).

In this manual, we will mention about WiPan only.

1.0 WiPan Features

Hardware Features





Transmitter is put in a small plastic casing with a LED indicator. The LED flash after power on, indicating that it is operating. Transmitter operates with two AA-size batteries. Group ID and Device ID allow user to select an unique ID.

The receiver is a small PCB that is integrated into the Insite Main Unit and it is not sold alone.

2.0 Operation

- Insert two AAA-size batteries into the battery compartment.
- Press ON/OFF switch once to power up the transmitter. The LED indicator start to flash indicating that it is operating.
- It is easy for use. You need to select the Group ID and Device ID. Every time you change the Group ID or Device ID, it is suggested to turn off power and turn on power again. This allows the new ID to be effective immediately otherwise it takes 4 minutes to be effective.
- When the Device ID switches all three set to OFF, the Device ID 1. To make it easy to understand, setting is tabulated below. Note that SW4 is unused

Device ID Setting

SW1	SW2	SW3	Device ID
OFF	OFF	OFF	1
ON	OFF	OFF	2
OFF	ON	OFF	3
ON	ON	OFF	4
OFF	OFF	ON	5
ON	OFF	ON	6
OFF	ON	ON	7
ON	ON	ON	8

- Group ID should be match with Insite Group ID setting. Details refer to Insite User Manual.
- When a magnet move close the reed switch (near to the side with a triangle symbol) of the switch sender, the reed switch closes. When magnet move away, the reed switch re-open.
- Every time when power up or every 4 minutes or anytime when there is status change, the Group ID, Device ID and the reed switch status will be send to the receiver.
- When an external switch is connected to the external switch jack, the reed switch is overridden. Every 4 minutes or when the switch status change, the external switch status instead of the reed switch will be sent to receiver.
- The receiver's function mainly receive data from several transmitters and then pass the information to the Insite Main Unit . Insite will then process to have the necessary action.
- Insite will utilizes the Short Message Service (SMS) to deliver alarms and information as text messages to as many as four receiving SMS phones. All messages delivered can be edited at SETUP, by keying the keypad on the Insite, to deliver full and specific meaning in each text message.



3.0 Technical Specifications

Frequencies (MHz) : 433
Receiver Sensitivity: -104dBm
Transmitter power: 0.001Watt

Environmental

Operating temp: -20°C to +55°C
Storage: -40°C to +85°C

Power :

DC Supply: 3V DC (AAA-size battery x 2 for transmitter); Receiver's power supplied by Insite Main Unit

4.0 Certificates

FCC ID: WXL-INSWTX (Transmitter) ; WXL-INSWRX (Receiver)
IC ID : 1403B-INSWTX (Transmitter); 1403B-INSWRX (Receiver)

This device complies with Part 15 of the FCC Rules. 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.



Mar 2, 09.