

IDS Wireless Door Mag V2 Manual



THANK YOU FOR CHOOSING IDS TO PROTECT YOU

Congratulations on your purchase of IDS Wireless Door Mag. IDS systems are powerful, versatile and highly configurable security systems, which should be installed by a professionally trained installer.

This manual covers the installation of the IDS Wireless Door Mag and teaching it to the X-Series alarm panel

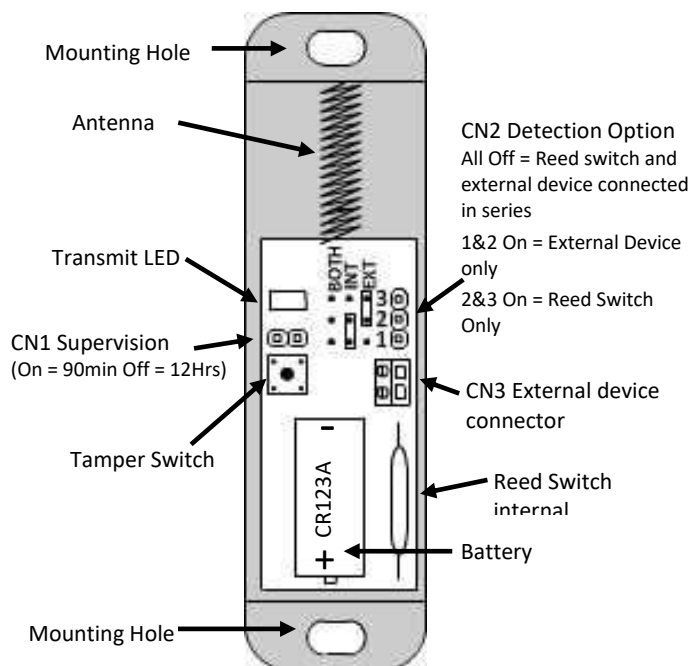
IDS recommends using LCD keypads for all installations but will include both LED and LCD instructions in this manual.

Features

- Xwave wireless technology
- 100m line of sight communication
- Easy to install and configure
- Three modes of operation: Onboard reed switch only, external detector only or both
- Auto detection of restore signals

Diagram

Figure 1: Wireless Door Mag



Physical Installation

1. Mount the wireless door mag to the door frame via the mounting holes. (Making sure that the base does not extrude passed the frame and will catch on the door when it opens or closes.)
2. Close the door and mount the magnet onto the door next to the reed switch. (Make sure that the magnet does not interfere with the wireless door mag when opening and closing the door. Make sure that when opening the door the magnet moves a sufficient distance away from the reed switch to activate the wireless door mag)
3. Select the supervision time between supervision signals being sent to the X-Series alarm panel. (Every 90 minutes, J1 on (Default & recommended), every 12 hours J1 off.)
4. Insert the, CR123A battery, into the battery holder. (The negative terminal, closest to the antenna, see: Figure 1: Wireless Door Mag.)

Select Detection Option

The Xwave door mag can work in three modes depending on which pins are shorted or not, on CN2:

1. 1 & 2 shorted, only the external device connected to CN3 external detector connector is active and being monitored.
2. 2 & 3 shorted, only the onboard reed switch is active and being monitored. (Default)
3. No pins shorted both the onboard reed switch and CN3 external detector connector are connected in series and being monitored.

Note: The wireless door mag auto detects the way it should report a restore after five triggers, when using CN3 connected to an external device and CN2 is setup for an external device. I.e. A door mag connected to a door /window, only restores after the door/window is closed but a PIR restores immediately after a violation even if continually violated.

X-Series Programming

Adding the Wireless Door Mag to the X-Series

LED Keypad

1. Enter the installer code, default code is [9][9][9][9], followed by [*], on the X-Series LED keypad. [9][9][9][9][*]
2. Enter location 260. [2][6][0][*]
3. Enter sub-location 1. [1][*]
4. The RDY LED on the keypad is on indicating that the 16 zones on the display, map to the first 16 zones of the alarm panel. To go to zones 17 to 32, press the [*] key and the ARM LED will come on indicating you have change to zones 17 to 32. Press the [*] key again and the AWAY LED will come on to indicate zones 33 to 48 are being displayed, press the [*] again and the PWR LED will come on zones 49 to 64 will be displayed.

Note: When paging through the zones, if a zone LED is on, then that zone is currently taught to a wireless device.

5. Access the page that displays the zone the mag will occupy. [*]
6. Enter the zone number that the wireless door mag will occupy and the zone LED will begin to flash indicating it is waiting for a transmitted serial number from a wireless device. [3][*]
7. Press the tamper switch on the wireless door mag the zone will stop flashing to indicate the device has been learnt.
8. Learn the next device by following the previous instructions or exit programming by pressing [#].

Example: Add the wireless door mag to zone 17.

1. Enter Installer code. [9][9][9][9][*]
2. Enter location 260. [2][6][0][*]
3. Enter sub-location 1. [1][*]
4. The RDY LED is on indicating zones 1 to 16.
5. Press [*] to page to zones 17 to 32. [*]
6. The ARM LED will be on to indicate zones 17 to 32 are displayed.
7. Press [1] for zone 17. [1][*]
8. Zone 1 LED will begin flashing.
9. Tamper the wireless door contact.
10. The zone LED will stop flashing indicating the device has been learnt.

LCD Keypad

1. Enter the Installer code, default code [9][9][9][9] followed by [*], on the LCD X-Series keypad. [9][9][9][9][*]
2. Enter location 260. [2][6][0][*]
3. The display will indicate "Add Device"
4. Press [*] to enter Add Device menu
5. The display will display the following:

```
Zone Names<*>
Zone No + *
```

2 options are available:

- Scroll through the zones by using the scroll keys until the zone that is going to be paired with the wireless door mag is reached. [<<][>>]
- Enter the zone number that is to be paired to the wireless door mag. [1][7][*]

Note: If a zone is paired with a wireless device it will have a "W" at the end of the line with the zone name, as displayed below.

```
Zone Names<*>
02 Zone 02 W
```

6. Zone 17 will be displayed, press [*] again to acknowledge that it is the correct zone.

- The LCD screen will display that the tamper of the wireless door mag must be pressed or the serial number must be typed in to the location.

Tamper or Enter
SN:-----

- Tamper the tamper button on the wireless door mag or type in the serial number found on the device or the box it came in, followed by [*].

- Once the serial number is displayed, as below, press [*] to confirm that it is correct.

Serial No:
SN:12345678 [*]

- When complete press [#] to exit

Note: An error message of 3 beeps will sound if the following conditions are met: The zone is already paired with a wireless device or the device is already learnt into the system.

Test Signal Strength

Note: This can only be done via a LCD keypad

- Enter Installer mode. [9][9][9][9][*]
- Enter location 260. [2][6][0][*]
- Enter sub-location 3. [3][*][*]
- Enter the zone that you wish to test.
- The display will ask you to trigger the device. Once triggered it will display the signal strength as a percentage.

Note: Any signal lower than 40% must be rectified. All signals need to be as high as possible for reliability.

Supervision Time

Set the time between supervision signals being sent with J1.

J1 on = every 90 minutes & Off = every 12 hours

Note: Please make sure that the supervision time set on the panel is not less than what is set on the wireless door mag.

LED Keypad

- Enter Installer mode. [9][9][9][9][*]
- Enter location 260. [2][6][0][*]
- Enter sub-location 4. [4][*]
- Enter [1] for 24 Hr and [2] for 3 Hrs followed by [*].

LCD Keypad

- Enter the Installer code, default code [9][9][9][9] followed by [*], on the LCD X-Series keypad. [9][9][9][9][*]
- Enter location 260. [2][6][0][*]
- The display will indicate "Add Device"
- Press [4][*] to move to the supervision menu
- Press [*] to enter supervision menu

- The display will display the following:

Supervision <*>
Check-in 24 Hrs <*>

2 options are available:

- Scroll through to the next option using the scroll keys. [<][>]

Supervision <*>>
Check-in 3 Hrs <*>

- Press [*] when the required supervision time is displayed.

- When complete press [#] to exit

Transmit LED

The transmit LED is disabled when the cover is on, to conserve battery life.

Technical Data

Battery Type: CR123A
Input Voltage: 2.5V to 3.6V
Current: 3µA (Sleep) 8mA (Transmit)
Battery Life: 1.5 Years (200 triggers /day)
Physical Size (mm): 92 x 22 x 22
Frequency: 433.92MHz
Transmit Power: <10dBm
Transmission Distance: 100m (Line of sight)
Modulation Type: OOK/ASK
Operating Temperature: -10°C, +50°C