

1128INT WIRELESS GLASSBREAK DETECTOR

Installation Guide

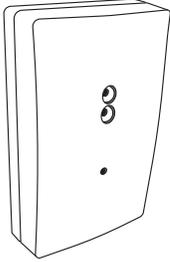


Figure 1: 1128INT Glassbreak Detector

GET STARTED

The 1128INT Wireless Glassbreak Detector is a fully-supervised, low current shock and glassbreak sensor that provides detection coverage up to 6 meters from framed glass mounted in an outside wall. The 1128INT features 128-bit AES encryption.

You can mount the detector on the ceiling or an opposing wall for maximum flexibility and coverage. The 1128INT operates using the supplied 3.0 V lithium battery.

Compatibility

- 1100XINT Wireless Receivers Version 700 and Higher
- 1100DINT Wireless Receivers Version 700 and Higher
- XT30INT Series Panels Version 693 and Higher
- XTtouchINT/XTLplusINT Series Panels Version 693 and Higher
- XR150INT/XR550INT Series Panels Version 693 and Higher

What is Included?

- One 1128INT Wireless Glassbreak Detector
- One 3.0 V Lithium CR123A Battery
- Hardware Pack



1 PROGRAM THE PANEL

Refer to the panel programming guide as needed.

1. If using an XT Series International Panel, enter **665** (PRO) at the keypad to access the **PROGRAMMER** menu. If using an XR Series International Panel, enter **6653** (PROG).
2. Press **CMD** until **ZONE INFORMATION** displays and press a top row select key or area.
3. Enter the wireless **ZONE NO** and press **CMD**.
4. Enter the **ZONE NAME** and press **CMD**.
5. Select **NT** (Night) as the **ZONE TYPE**.
6. Select the **AREA NO** and press **CMD**.
7. At **NEXT ZN?**, select **NO** and press **CMD** until **WIRELESS?** displays.
8. Select **YES** when **WIRELESS?** displays and press **CMD**.
9. Enter the eight-digit **SERIAL#** and press **CMD**.
10. Enter the **SUPRVSN TIME** and press **CMD**.
11. At **NEXT ZN?**, select **YES** if you are finished programming the zone. Select **NO** if you would like to access additional programming options.
12. In **SYSTEM OPTIONS**, at the **1100 ENCRYPTION prompt**, select **ALL** to only add encrypted wireless devices to the system. Select **BOTH** to allow both encrypted and non-encrypted wireless devices to be programmed.
13. The default passphrase appears at **ENTER PASSPHRASE**. Press **CMD** to keep the default. Press any select key or area to change the passphrase and enter an 8-character hexadecimal string (0-9, A-F).

2 INSTALL THE BATTERY

Use a 3.0V lithium battery, DMP Model CR123A, or the equivalent battery from Sony or Murata. When setting up a wireless system, program zones and connect the receiver before installing batteries in the transmitters.

1. Remove the holding screw at the lower end of the 1128INT case and gently lift off the cover. See Figure 2.
2. Observing polarity, place the battery in the holder. Press it into place. See Figure 3 for the battery location.

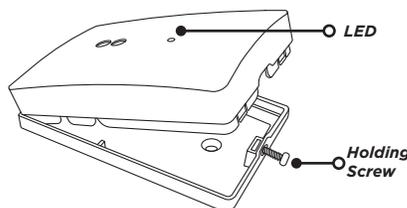


Figure 2: Open the 1128INT

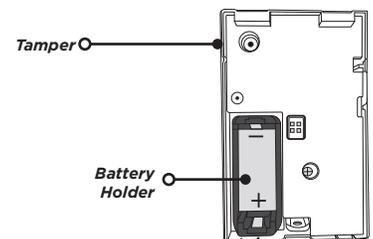


Figure 3: 1128INT Battery Location

3 SELECT A LOCATION

The 1128INT's omni-directional detection coverage is measured from 1128INT to the point on the glass farthest from the 1128INT. Refer to the table below to determine the best location to place the 1128INT based on window type, glass thickness, window to wall range, and wall type.

Window Type	Glass Thickness	Maximum Range	Wall Type
Plate	3/32" - 1/4" (2.4mm - 6.4mm)	20' (6m)	Opposite, adjoining, ceiling
Tempered	1/8" - 1/4" (3.2mm - 6.4mm)	20' (6m)	Opposite, adjoining, ceiling
Laminated	1/8" - 1/4" (3.2mm - 6.4mm)	20' (6m)	Opposite, adjoining, ceiling
Wired	1/4" (6.4mm)	20' (6m)	Opposite, adjoining, ceiling
Armor-coated	N/A	12' (3.65m)	Opposite, adjoining, ceiling

Note: The sensor can be mounted as close as 1 m from the glass and the minimum glass size is 0.3 m x 0.6 m.

Optimize Detection

To optimize detection, install the 1128INT in the following areas:

- Large rooms with moderate noise
- In the direct line of sight of all windows that are to be protected
- On the opposite wall of the window that it's protecting (see Figure 4 for detection range)

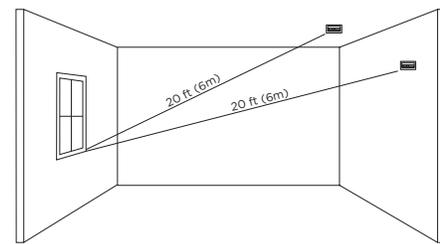


Figure 4: 1128INT Detection Range

Avoid False Alarms

To avoid false alarms, do not install the 1128INT in the following areas:

- Rooms with lined, insulated, or dampening drapes
- Rooms with closed, wooden shutters on the inside
- Room corners
- Where white noise (air compressor) is present
- Rooms smaller than 3.05 m x 3.05 m
- Rooms with multiple noise sources like televisions, sinks, speakers, etc.
- Excessively humid rooms

Note: Program the 1128INT as a night zone to help avoid false alarms.

Check the Location Using Survey LED

1. Hold the 1128INT in the exact desired location.
2. Press the tamper switch to send data to the receiver and determine if communication is confirmed or faulty. See Figures 2 and 3 for tamper switch and LED locations.

✓ **Confirmed:** If communication is confirmed, the survey LED turns on when data is sent to the wireless receiver and off when acknowledgment is received.

✗ **Faulty:** If communication is faulty, the LED remains on for several seconds or flashes multiple times in quick succession. Relocate the 1128INT or the wireless receiver until the LED confirms clear communication. Proper communication between the 1128INT and wireless receiver is verified when for each press or release of the tamper switch, the LED blinks immediately on and immediately off.

4 MOUNT THE 1128INT GLASSBREAK DETECTOR

1. With the 1128INT already open, place the 1128INT base on the wall in the desired location.
2. Use the provided hardware pack to mount the base to the wall. See Figure 5 for mounting hole locations.
3. Reinstall the 1128INT cover back on to the base and tighten the holding screw.

MOUNTING HOLES

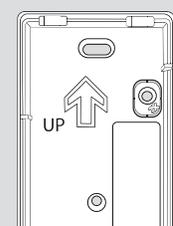


Figure 5: Mounting Holes

5

TEST THE 1128INT GLASSBREAK DETECTOR

Handheld Glassbreak Test

To test the 1128INT, use a handheld tester like the FG-701 to imitate glass breaking. For more information, refer to the glassbreak tester manual.

1. Set the tester to flex mode.
2. Place the FG-701 near the protected glass and press the button to activate the simulator. It will not announce the sound of shattering glass until a low-frequency shock is also generated.
3. To generate the shock, slam a framed door to generate the appropriate low-frequency shock. The shock will also activate the FG-701 simulator,

 **Note:** The 1128INT has two onboard microphones. Both the high frequency and low frequency microphones must be activated to send an alarm to the control panel. If only the low frequency microphone activates, the LED on the 1128INT will flash green. When both activate, the LED will flash red and the 1128INT will transmit an alarm to the control panel.

Wireless Check-in Test

After the transmitter has been installed, test to confirm that it is communicating reliably with the panel. Complete the following steps to perform a Check-in Test from a keypad that is connected to the panel.

1. At the keypad for XT Series panels, enter **814** (WAL). At the keypad for XR Series panels, enter **8144** (WALK).
2. Select **WLS**.
3. If the 1128INT fails to check in at the keypad, relocate the wireless device, receiver, or panel.

Glassbreak Check-in Test (v7.0.0.2 and higher)

When the 1128INT is set into testing mode from the panel, it will trip using the tester only. There is no need to generate shock trip to the detector. XTINT and XRINT Series firmware Version 191 is required to perform the glassbreak walk test.

1. Reset the panel.
2. If using an XT Series International Panel, enter **814** (WAL). If using an XR Series International Panel, enter **8144** (WALK).
3. Select **PIR**. All 1128INTs on the system will begin flashing a green LED every 3 seconds to indicate that they are in testing mode. It can take up to 3 minutes for all 1128INTs to enter testing mode

 **Note:** The PIR option will enable testing of all supported wireless PIRs and 1128INTs on the system.

4. Set the tester to manual mode.
5. Place the FG-701 near the protected glass and press the button to activate the simulator. If the 1128INT is in range, it will flash the LED red for 3 seconds to indicate it detected the crash.
6. The 1128INT will remain in testing mode for 30 minutes or until the panel is reset.

ADDITIONAL INFORMATION

Replace the Battery

1. Remove the holding screw at the lower end of the 1128INT and gently lift off the cover.
2. Remove the old battery and dispose of it properly.
3. Observing polarity, place the new battery in the holder and press into place.

 **Note:** Use only 3.0 V lithium CR123A batteries.

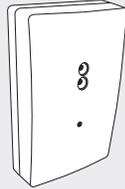
4. Place the cover back onto the 1128INT and tighten the holding screw back into place.

Sensor Reset to Clear LOBAT

When the battery needs to be replaced, a **LOBAT** message will display on the keypad. Once the battery is replaced, a sensor reset is required at the system keypad to clear the **LOBAT** message.

1. On a Thinline keypad, press and hold “**2**” for two seconds. On a touchscreen keypad press **RESET**.
2. Enter your user code if required.
3. The keypad displays **SENSORS OFF** followed by **SENSORS ON**.

1128INT GLASSBREAK DETECTOR



Specifications

Battery

Life Expectancy	3 years (normal operation)
Type	3 V lithium CR123A
Frequency Range	863-869 MHz
Transmit Condition	Alarm, Low Battery, Tamper
Detection Method	Omnidirectional
Range	6 m
Operating Temperature	-10°C to 55°C
Color	White (passes VW1)
Housing Material	Flame retardant ABS
Dimensions	8.4 cm L x 5.3 cm W x 2.3 cm D
Weight	.12 kg

Accessories

FG-701 Glassbreak Simulator

Patents

U. S. Patent No. 7,239,236

International Certificates

Intertek (ETL)

EN 60950-1: 2006+A11(09)+A1(10)+A12(11)+A2(13)

Information technology equipment -
Safety - Part 1: General
Requirements

IEC 60950-1:2005 (2nd Edition)+Am 1:2009+Am 2:2013

Information technology equipment -
Safety - Part 1: General
Requirements

EN 50130-4: 2011

Alarm systems - Part 4:
Electromagnetic compatibility
- Product family standard: Immunity
requirements for components of
fire, intruder, hold up, CCTV, access
control and social alarm systems

EN 301 489-1 V1.9.2

Electromagnetic compatibility and
Radio spectrum Matters (ERM);
Electromagnetic Compatibility
(EMC) standard for radio equipment
and services; Part 1: Common
technical requirements

EN 301 489-6 V1.3.1

Electromagnetic compatibility
and Radio spectrum Matters (ERM);
Electromagnetic Compatibility
(EMC) standard for radio equipment
and services; Part 6: Specific
conditions for Digital Enhanced
Cordless Telecommunications
(DECT) equipment

EN 6100-6-1:2007

Electromagnetic compatibility
(EMC) - Part 6-1: Generic standards
- Immunity for residential,
commercial, and light-industrial
environments

EN 6100-6-3:2007/A1:2011

Electromagnetic compatibility
(EMC). Generic standards. Emission
Standard For Residential,
Commercial And Light-Industrial
Environments

EN 301 406 V2.1.1

Digital Enhanced Cordless
Telecommunications
(DECT); Harmonized EN for Digital
Enhanced Cordless
Telecommunications (DECT)
covering the essential requirements
under article 3.2 of the R&TTE
Directive; Generic radio

EN 50581:2012

Technical documentation for the
assessment of electrical and
electronic products with respect to
the restriction of hazardous
substances



Designed, engineered, and
manufactured in Springfield, MO
using U.S. and global components.

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