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Product Datasheet

# Glass Break Detector

# BP-GBD01




## Specifications

- Detection type: acoustic glass break detector for intrusion alarm systems
- Detection distance: up to 4.6 m (15 ft), omnidirectional
- Sensitivity adjustment: four positions with internal DIP switches
- Operating voltage: 6-18 V DC; typical current: 16 mA at 12 V DC
- Maximum current: 22 mA (latched alarm LED enabled)
- Power ripple tolerance: 4 V peak-to-peak at 12 V DC
- Alarm relay: Type C (changeover), 125 mA at 25 V DC
- Alarm duration: 5 seconds (independent of alarm LED latching)
- Tamper protection: front cover and wall removal switches
- Tamper switch rating: maximum 25 mA at 24 V DC
- LED indicators: green event LED and red alarm LED
- Operating temperature: -20 °C to +50 °C (-4 °F to +122 °F)
- EMI tolerance: 30 V/m, from 10 MHz to 1,000 MHz; ESD: 10 kV
- Dimensions (H x W x D): 114.3 x 71.1 x 26.7 mm
- Product weight: 98 g; packaged weight: 126 g
- Mounting: wall or ceiling; FG-701 glass break simulator for testing

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## Dimensions and Electrical Data

| | |
|---|---|
| Product type | Acoustic glass break detector |
| Height x Width x Depth | 114.3 x 71.1 x 26.7 mm |
| Weight (device) | 98 g |
| Operating voltage | 6-18 V DC |
| Current consumption | 16 mA typ. at 12 V DC / 22 mA max. |
| Alarm relay | Type C; 125 mA at 25 V DC |
| Tamper rating | 25 mA at 24 V DC |
| Connection wire | 18-22 AWG (manufacturer installation guide) |

## Mounting Configurations

**Opposite wall**

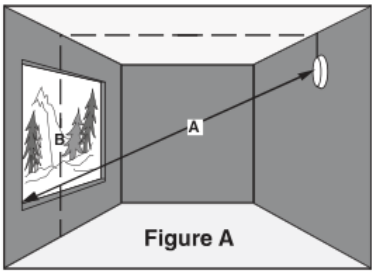


Figure A

**Ceiling**

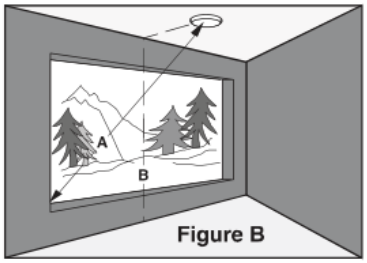


Figure B

**Adjacent wall***

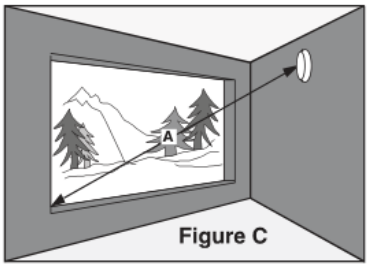


Figure C

* Adjacent-wall placement is not preferred. Installation figures from the product manual.

Keep an unobstructed view toward the protected glass; verify position and range using the FG-701 glass break simulator. Maximum specified range: 4.6 m (15 ft).

## LED Status Indicators

| Operating condition | Green LED | Red LED |
|---|---|---|
| Normal, no event | Off | Off |
| Valid acoustic event | Flashing | Off |
| Latched alarm | Off | On |
| Low voltage | Alternating | Alternating |
| Test mode, no event | Once per second | Off |
| Test mode, alarm | Once per second | Bright for 5 seconds |

Technical data and installation illustrations sourced from BP-GBD01 User Manual (pp. 2-4).