

BRAVO™ 5

Ceiling Mount
PIR Detector

INSTALLATION INSTRUCTIONS

The Bravo5 is a ceiling mount detector designed to provide reliable motion detection for residential and commercial applications. The Bravo5 uses a special Fresnel lens made for 360° detection in conjunction with a quad element PIR sensor optimized for uniform detection all around its field of view. Special attention is given to false alarm immunity against RF, static, electrical transient to ensure trouble free operation for many years.

Features

- Multi-Level Signal Processing *
- 360° coverage
- Quad element PIR sensor
- High level static and transient protection
- Excellent RF immunity
- Temperature compensation
- Fast/Slow detection jumper
- LED ON/OFF jumper
- SMD construction
- Super quiet operation
- 5 year warranty

Specifications

Electrical

- Input Voltage: 9 - 14.5 V_{DC}
- Current (nominal): 18/15 mA (alarm on/off) @12 V_{DC}

Contact Rating

- Alarm Relay: 0.1A @24V_{DC}
- Tamper Switch: 0.1A @24V_{DC}

Size (diameter x height)

4.6" x 1.4" / 117 mm x 36 mm

Operation

- Maximum detection range (diameter)
Detector placed 8 ft./ 2.4 m from floor: 24 ft./ 7.3 m
Detector placed 10 ft./ 3.0 m from floor: 30 ft./ 9.2 m
Detector placed 12 ft./ 3.6 m from floor: 40 ft./ 12.2 m
- Additional operating modes
LED ON/OFF Jumper J1
Pulse count (fast/slow) Jumper J2, J2 ON is fast count.

Environmental/Immunity

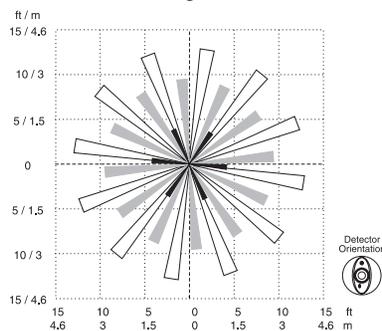
- RF Immunity: 20V/m (100Hz - 1.2GHz)
- Transients @ wiring terminal: 2.4KV @ 1.2joules
- Operating temperature: 32 -122°F / 0 - 50°C
- Humidity 5 - 95% RH non-condensing

Product Information

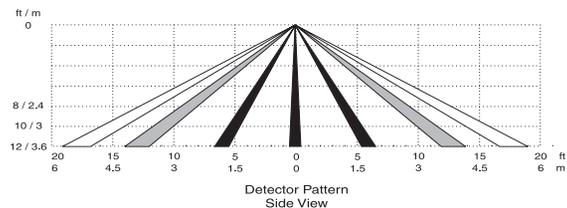
- BV-500: Form 'A' alarm contact
- BV-501: Form 'A' alarm contact and tamper switch
- BV-502: Form 'C' alarm contact and tamper switch

Coverage

Top View (at 8 ft./ 2.4 m height)



Side View



Locating the Detector

The Bravo5 is designed to be mounted on the ceiling of a dry indoor location for 360° coverage. Ensure that the expected path of an intruder is perpendicular to the beam path. Use the coverage pattern indicated on the coverage diagram to determine the best sensor location.

Survey the mounting location and the area being protected for the following potential problems. Avoid the following sources of false alarms:

Reflective Surfaces

Do not aim the detector at reflective surfaces such as mirrors or windows as this may distort the coverage pattern or reflect sunlight directly onto the detector.

Air Flow

Avoid locations that are subject to direct high air flow such as near an air duct outlet.

Moisture

Do not locate the detector near sources of steam or oil.

The Sun

Do not aim the detector such that it will receive direct sunlight.

Obstructions

Do not limit the coverage by placing large objects within the detection area (such as plants, high shelves, filing cabinets etc.).

Mounting

To open the case, insert a small screwdriver in the tab restraining clip. Gently pry tab downward and twist the top cover counter-clockwise and lift it up from the bottom cover. Use a small screwdriver to remove the appropriate knockouts for wiring. Mount the bottom cover using the screws supplied.

To close the case, use the locating line on the bottom cover to align the tab on the top cover. Once the top cover is engaged, twist the top cover clockwise to lock it in place.

NOTE: Since no adjustment is necessary for the circuit board, it is not recommended that the installer remove the circuit board from the case.

* Patented

