



Product Summary Sheet

July 7, 2003 Rev 001

BV-600 – Bravo Series Dual PIR Motion Detector

The Bravo Series BV-600 is a specialized dual PIR motion sensor. It provides pet immunity by using two vertically and horizontally separated dual-element PIR detectors and a dual-lens system to produce an overall checkerboard-like pattern. Both detectors must be activated at the same time. at the same time to sound the alarm. The unit will provide immunity to a single pet weighing no more than 85 lbs (38 kg) and measuring no more than 2½ ft (0.75 m) high by 4½ ft (1.4 m) long or two pets that do not have a combined weight of more than 85 lbs (37.2 kg).

The unit uses MLSP (patented multi-level signal processing) to analyze the amplitude and duration of each pulse, rather than simply counting them as with other, simpler pulse-counting detectors. The unit includes digital temperature compensation to minimize shrinkage in the coverage pattern and critical temperatures (86-88°F).

Version ID:

version 1.00 Version label on PCB and jumpers J2, J3
version 1.02 Version label on PCB and jumpers J1, J2

Product information:

BV-600: Format 'A' alarm contact
BV-601: Alarm contact and form 'A' tamper switch
BV-602: Alarm contact and form 'C' tamper switch

Jumpers:

version 1.02	J1	IN OFF	LED disabled LED enabled
	J2	IN OFF	High sensitivity (fast) Low sensitivity (slow)
version 1.00	J2	IN OFF	LED disabled LED enabled
	J3	IN OFF	High sensitivity (fast) Low sensitivity (slow)

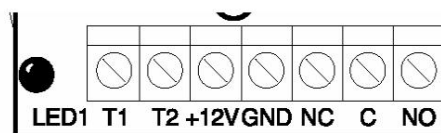
Note: The unit should be set for low sensitivity (slow) operation when pet immunity is required.

Vertical adjustment:

Depending on the height at which the detector is mounted, it may be necessary to adjust the unit to achieve the desired coverage pattern. See the following table:

7.0 feet/2.1 meters	+ 0.50
7.5 feet/2.3 meters	0.00
8.5 feet/2.6 meters	- 0.50
9.0 feet/2.7 meters	- 0.75
10.5 feet/3.2 meters	- 1.25

Wiring:



+ 12 V Connect to AUX of control panel or power supply
Land Connect to GND or COM of the control panel or power supply
C, North Carolina Connect via zone and COM terminals

Budget:

Operating voltage: 9.5 – 14.5 VDC
Standby current: 16 mA
Alarm current: 20 mA
Operating temperature: 0°C - 50°C (32°F - 122°F) 0.5' -
Walking detection speed: 10'/s (0.15m - 3.0m/s) 90°
Coverage angle (wall/wall lens): minimum

Troubleshooting:

- If the detector does not work:
 - Make sure the detector has sufficient voltage.
 - Make sure the detector is within the mounting range specified (7 to 10.5 feet high) and make sure the plate is in the correct vertical setting.
- If it is a false alarm problem:
 - Make sure the unit is not facing stairs, surfaces reflective surfaces such as mirrors or windows, or near direct air flows such as air ducts.
 - If pets are present, ensure the detector is set for low sensitivity (slow) operation.
 - Make sure the pet is within specifications required (weight, height and length)
 - If multiple pets are present, ensure that their combined weight does not exceed 85 pounds (37.2 kg).