



Product Summary Sheet

July 7, 2003 Rev 001

BV-200, BV-300 – Bravo 2, Bravo 3 Hardwire Motion Detectors

The Bravo 2 and Bravo 3 motion detectors are general-purpose, passive infrared (PIR) detectors. The Bravo 3 provides a larger coverage pattern.

The units use MLSP (patented Multi-Level Signal Processing) to analyze the amplitude and duration of each pulse instead of simply counting them as in other, simpler pulse-count detectors. The units include analog temperature compensation to minimize shrinkage in the coverage pattern and critical temperatures (86-88° F).

Product Information:

BV-200/300	Form 'A' alarm contact
BV-201/301	Form 'A' alarm contact and tamper switch
BV-202/302	Form 'C' alarm contact and tamper switch

Specifications:

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

Jumpers:

J1	ON	LED enabled
	OFF	LED disabled
J2	ON	High sensitivity (fast)
	OFF	Low sensitivity (slow)

Coverage Patterns and Available Lenses:

Both units come standard with the BV-L1 wall-to-wall lens.

Bravo 2

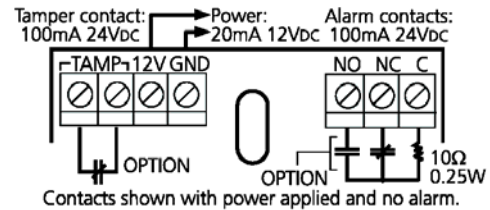
BV-L1 – Wall-to-wall lens:	40' L x 40' W (12.2m x 12.2m)
BV-L2 – Corridor lens*:	70' L x 6' W (21.3m x 1.8m)
BV-L3 – Curtain lens:	40' L x 3.5' W (12.2m x 1m)
BV-L4 – Pet Alley lens:	40' L x 40' W (12.2m x 12.2m)

Bravo 3

BV-L1 – Wall-to-wall lens:	50' L x 60' W (15.2m x 18.3m)
BV-L2 – Corridor lens*:	80' L x 10.5' W (24.4m x 3.2m)
BV-L3 – Curtain lens:	50' L x 4.4' W (15.2m x 1.3m)
BV-L4 – Pet-alley lens:	50' L x 60' W (15.2m x 18.3m)

*Note: When using the corridor lens, jumper J2 should be ON (high sensitivity).

Wiring:



Vertical Beam Adjustment:

The board should be adjusted depending on the mounting height of the detector. Loosen the screw in the center of the PCB and adjust using the markings on the right-hand side.

Height ft/m	Setting for Full Range (by lens type)			
	BV-L1-UV	BV-L2-UV	BV-L3-UV	BV-L4-UV
10'/3m	0.00	-0.25	0.00	—
8'/2.4m	+0.50	+0.25	0.00	—
7'/2.1m	+0.75	+0.25	0.00	—
6'/1.8m	+1.00	+0.50	0.00	—
5'/1.5m	—	—	—	0.00
4'/1.2m	—	—	—	0.00

Moving board DOWN will increase far range and bring near beams closer to mounting wall.
 Moving board UP will reduce far range and move near beams farther from mounting wall.

Troubleshooting:

1. If pets are present, use the pet-alley lens and put the unit into low sensitivity.
2. The unit should be put into low sensitivity for harsh installations (for example, areas with drafts).
3. Ensure detector is not located near any reflective surfaces, air flow ducts, air moisture or reflected sunlight.