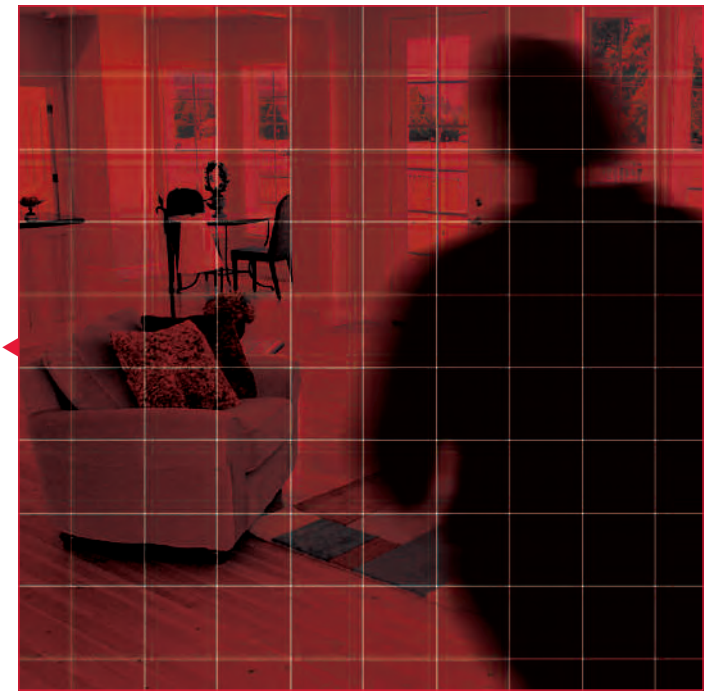
DSC PIR Motion Detector

Digital Bravo®3

Effective motion detection is dependent on a sensor's ability to identify intruders and provide true false alarm resistance. Digital Bravo3 achieves superior detection and false alarm prevention through digital signal analysis. Digital information is more accurately analyzed using software and is not subject to signal degradation caused by amplification, noise, distortion or signal clipping. Digital Bravo3 technology adapts to changing environmental conditions by adjusting critical detection parameters to provide improved consistency of detection over all temperature ranges. Pet owners are protected from false alarms through Vertical Beam Shaping (VBS), a technology that provides pet immunity up to 60 lbs (27 kg).



Product Features:

- Digital signal analysis for consistent detection throughout the coverage pattern
- Exceptional catch performance at elevated temperatures
- Patented Multi-Level Signal Processing (MLSP) for accurate detection of human IR energy over a broad range of temperatures
- Vertical Beam Shaping (VBS) provides pet immunity up to 60 lbs (27 kg); available with BV-300DP series
- Sensitivity adjustment to configure the detector for "normal" (high sensitivity) or "hostile" (low sensitivity) environments
- High-level static and transient protection
- Exceptional white light immunity
- Excellent RF immunity
- 4 interchangeable lenses available
- Optional wall-mount and ceiling-mount brackets available
- Attractive, modern design

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Choosing Detector Location

When choosing a location for the detector, be sure to consider the following:

- Do not aim the detector at reflective surfaces
- Avoid locations that are subject to direct high air flow
- Do not locate the detector in the path of direct or reflected sunlight
- Do not place next to large obstructions that may limit the coverage area

Accurate Detection

Patented Multi-Level Signal Processing (MLSP) provides for more accurate detection of human IR energy over a broad range of temperatures. It's able to maximize catch performance while providing protection against false alarm sources such as radio interference, air vents and insects.

Changing Lenses

The standard lens is the wall-to-wall lens (BV-L1). Additional lens include the corridor lens (BV-L2), curtain lens (BV-L3) and the pet ally lens (BV-L4). To change any of the lenses, release the tab and pull the lens holder out. This action releases the lens. Insert the new lens with the grooves facing inward. The bottom of the lens is indicated by two triangular indentations. Ensure that the lens is centered and then reattach the lens holder. The lens holder will snap into place, sealing the lens into position.

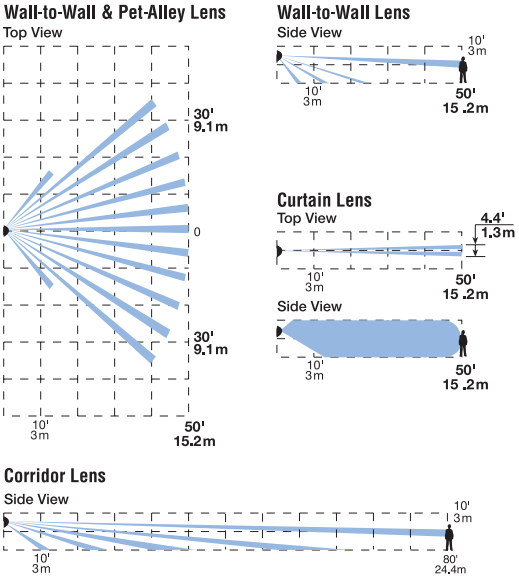
Analog Versions

Analog versions offering precise performance and value are also available. They are available in standard and long-range configurations. Features include multi-level signal processing, automatic temperature compensation and proven immunity to white light and electrical transients.

Ordering Information:	
BV-300D	Form `A' Alarm Contact
BV-301D	Form `A' Alarm Contact & Tamper Switch
BV-302D	Form `C' Alarm Contact & Tamper Switch
*BV300DP	Form `A' Alarm Contact
*BV301DP	Form `A' Alarm Contact & Tamper Switch
*BV302DP	Form `C' Alarm Contact & Tamper Switch
Lenses	
BV-L1	Wall-to-Wall Lens
BV-L2	Corridor Lens
BV-L3	Curtain Lens
BV-L4	Pet Alley Lens Brackets
Brackets	
DM-W	Wall-Mount Bracket
DM-C	Ceiling-Mount Bracket

*Pet Immune Models

Coverage Pattern



Specifications

Dimensions	3.5" (H) x 2.5" (W) x 1.87" (D) (89 mm x 64 mm x 48 mm)
Operating Voltage	9.5 VDC to 14.5 VDC
Supply Voltage Ripple	3.0 V PP @ 12 VDC
Standby Current	15 mA @ 12 VDC
Current in Alarm	18 mA @ 12 VDC
Contact Rating	100 mA @ 24 VDC
Alarm Contact Resistor in Common.	10 Ohm 0.25 W
Operating Temperature Range	-4° to 140° F (-20° to 60° C)
RF Immunity	50 V/m from 0.01 to 1,200 MHz
Relative Humidity	5% to 95%
Static Immunity	8 kV Contact, 15 kV Air
Transient Immunity	2.4 kV @ 1.2 joules
White Light Immunity	20,000 Lux @ Device
Walk Detection Speed	0.5 to 10 ft/s (0.15 to 3 m/sec)
Alarm Duration	2 to 3 Seconds
Coverage Angle (BV-L1)	90° Minimum
Vertical Adjustment	+5 to -10°
Mounting Heights	BV-L1, L2, L3 6 to 10.5 ft (1.8 to 3.2 m) BV-L4 4 to 5 ft (1.2 to 1.5 m)

P/N 30000291 R001 Printed in Canada

Distributed by:

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For product information
www.dsc.com