



Engineer's Specifications

The contractor shall provide infra-red motion detectors in the areas specified on the drawings. Contractor shall be responsible for determining the best mounting location in each area to provide full coverage while minimizing false alarms. Wall mount detectors shall in addition be ceiling, or corner mountable, and shall share common mounting brackets so that they are interchangeable. Mounting position shall be adjustable both vertically and horizontally so that final position may be fine tuned as required during walk-testing.

Detectors shall employ multi-level signal processing and temperature compensation for accurate detection, "even in warm environments". They shall have high immunity to false alarms from RF, static, electrical transients, and white light.

All detectors shall carry a 5 year manufacturer's warranty.

Motion detectors for each area shall be selected from the following to best match the coverage requirements of each area :

Bravo2

For small areas, detectors shall have 4 interchangeable lenses to provide 40' L x 40' W (12.2 x 12.2m) wall to wall coverage with or without pet alley, 70' L x 6' W (21.3 x 1.8m) corridor coverage, and 40' L x 3.5' W (12.2 x 1.1m) curtain coverage.

Bravo3

For larger commercial / residential areas, detectors shall have 4 interchangeable lenses to provide 50' L x 60' W (15.2 x 18.3m) wall to wall coverage with or without pet alley, 120' L x 10.5' W (36.6 x 3.2m) corridor coverage, and 50' L x 4.4' W (15.2 x 1.3m) curtain coverage.

Bravo4

For areas where there are abnormally severe or highly changeable environmental conditions, detectors shall have a quad element low noise sensor. Detectors shall have 4 interchangeable lenses to provide 50' L x 60' W (15.2 x 18.3m) wall to wall coverage with or without pet alley, 60' L x 5' W (18.3 x 1.5m) corridor coverage, and 50' L x 4.4' W (15.2 x 1.3m) curtain coverage.

Bravo5

For areas requiring a circular detection pattern, motion detectors shall be dual element ceiling-mount type with 360° detection pattern up to 40' (12.2m) in diameter. If area also requires glass break detection, motion detectors shall include integral glass break detectors. Glass break detectors shall have a 360° detection range of 25' (7.6m) from detector to glass and shall be able to detect breakage of plate, tempered, wired, and laminated glass.

Bravo6

For areas where maximum immunity to false alarms caused by pets is required, without a reduction in the ability to detect people, detectors shall have dual PIR sensors employing high density digital analysis and multi-level signal processing with a vertically interleaving beam pattern. Detector shall provide 40' L x 50' W (12.2 x 15.2m) wall to wall coverage.



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