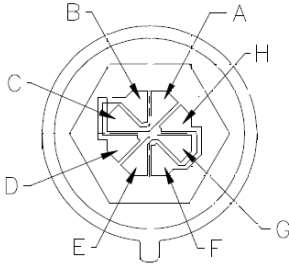
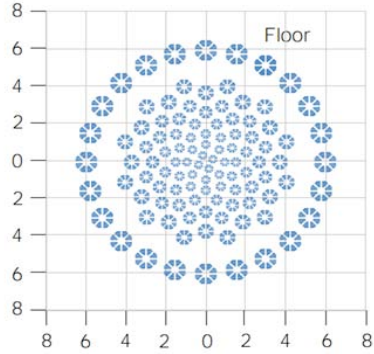
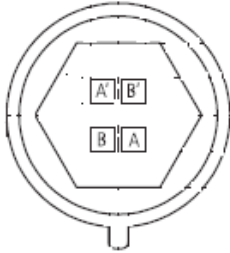
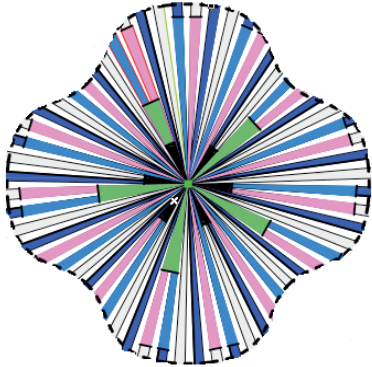
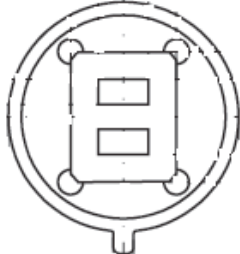
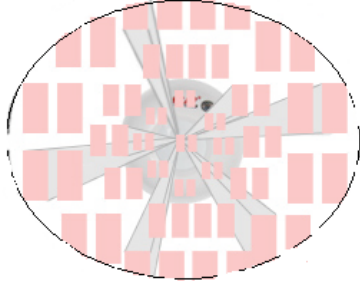


Sensor Technology Comparison

HDIR technology significantly surpasses known boundaries of IR sensor technology. Extending the capability of IR to new levels of accuracy through a combination of patented sensor hardware and logic algorithms. The power behind this innovation originates from a proprietary 8-element pyros infrared element that eclipses current competitive sensor logic technologies. Eight-Hundred and Sixty-Four (864) optical view patterns are achieved, delivering unmatched sensitivity for minor motion events like hand and finger movements. Paired with ultrasonic technology for a complete solution designed to meet the demands of Title 24 and ASHRAE 90.1.

#	Element Orientation	Detection Area	Description
8 Element IR of PerfectSense PS-HDTC24-R		<p>Sensor Optical View Pattern Long-range 192 Mid-range 384 Short-range 256 Look-down 32</p> 	<ul style="list-style-type: none"> ● 864 optical view patterns, each cluster of 8-element pattern makes detecting very fine body movement possible. ● 360-degree coverage with circular area, good repeatability. ● Detect movements 20 degree across the optical zone.
4 Element IR of Ordinary Product			<ul style="list-style-type: none"> ● 224 optical view patterns. ● Detection coverage is not full circle. ● Many blind spots.
2 Element IR of Ordinary Product (Industry Standard)			<ul style="list-style-type: none"> ● 62 optical view patterns. ● An ellipse shape detection coverage, not full circle. ● Detect movement 40 degree across optical zone.