



Great for All Counting Applications!



AVIDSmartSensor™ Wireless 900 MHz Directional IR Counter

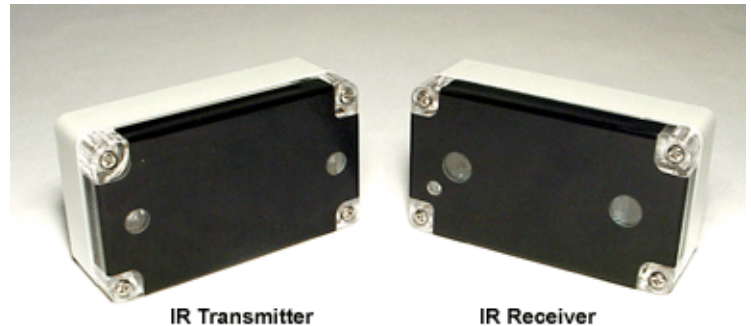
Features

- Dual IR Beams for Directional IR Counting
- Battery operated for a truly wireless installation
- Radio interface operates with all Point Six Receivers
- Battery life up to 4 years
- Unique serial number embedded in radio data packets
- 25 ft. IR transmission range
- Up to 1300 Ft. radio range
- Counts beam interruptions
- CRC-16 error checked radio data packets
- 4.53" X 2.56" X 1.57" polycarbonate enclosures
- Complies with part 15 of the FCC rules
- User replaceable battery packs
- The product is ideally suited for applications where running cables is cost prohibitive or not practical. Typical applications include: shopping centers, amusement parks, retail and hotels.

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IR Transmitter

IR Receiver

Part Number: AD-2004-IRPCS-FF

AVIDSmartSensors IR Directional Counter-900 is a battery operated infrared beam interruption sensor with a 900 MHz radio transmitter. The sensor consists of two parts; the IR transmitter and the IR receiver. The IR receiver has an integrated radio transmitter for truly wireless installation and operation. The IR transmitters produce 96 pulses of high intensity IR each second across a maximum distance of 25 feet. The nature of these IR pulses is such that the IR receiver can distinguish them from any other source of IR. This characteristic allows the IR sensor to operate in almost any environment without interference from ambient lighting. The "IN" and "OUT" logic is built into the product making the radio transmission data very easy to interpret. All counts are totalized and stored in memory. Once every 120 seconds the totalized counts are transmitted via the integrated radio.

The IR Point Sensor is designed to require very little energy; the internal 3.6 Volt Lithium thionyl chloride battery pack will operate the IR receiver for up to 4 years in normal operation. The IR transmitter can operate on the 3.6 Volt internal Lithium thionyl chloride battery pack for 4 years.

AVIDSmartSensors™ - Wireless IR Counter

Specifications

Parameter	Min	Typical	Max	Units
Battery Life IR Receiver	-	4.0	-	Years
Battery life IR transmitter	-	4.0	-	-
IR Range	.5	-	25	feet
Radio Range	-	600	-	feet
IR receiver pushbutton down to reset time	-	3	-	Seconds
IR receiver pushbutton down to ship mode	-	8	-	Seconds
IR transmitter pushbutton down to wake time	-	2	-	Seconds
IR transmitter pushbutton down to ship mode	-	8	-	Seconds
Enclosure 2.5" x 2.0" x 1.0: ABS Plastic	-	-	-	-



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