Extron

Specifications
OCS 100 Occupancy Sensors

OCS 100C

Square feet coverage area .... 2000 square feet

22'
(7 m)

12'
(4 m)

32'
(10 m)

23'
(7 m)

45'
(14 m)

64'
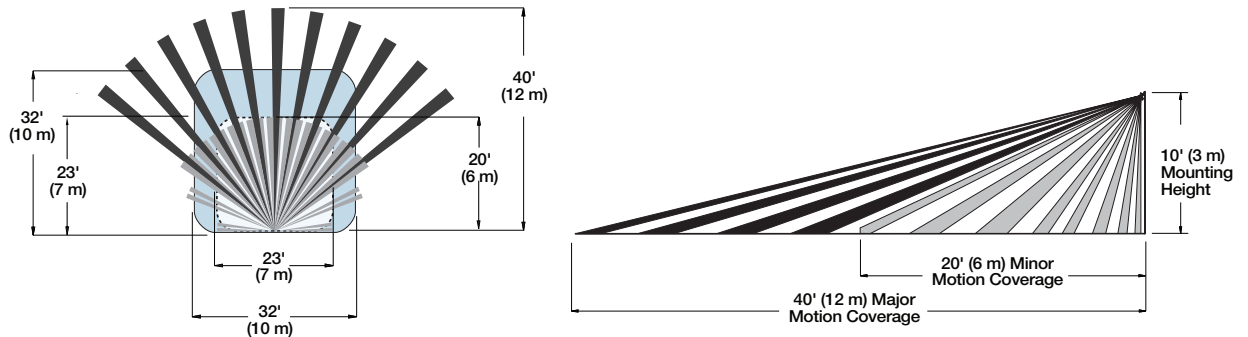(20 m)
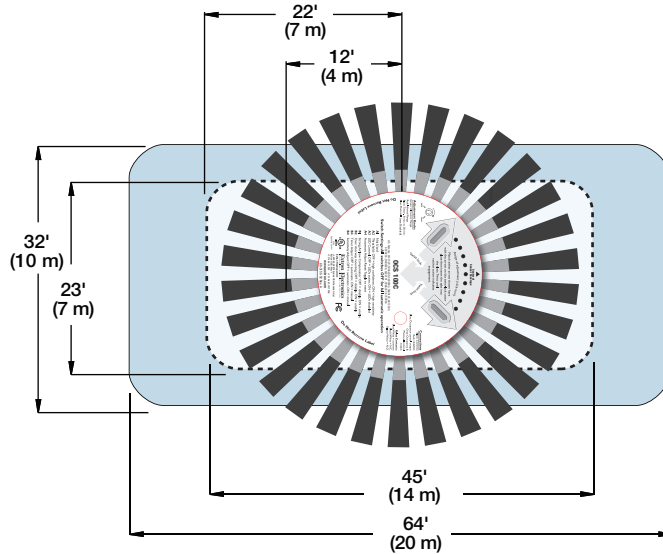
Sensor Coverage

US Minor Motion		IR Minor Motion	
US Major Motion		IR Major Motion	

NOTE: These coverage dimensions are achieved when the OCS 100C is installed 10 ft (3.04 m) above the coverage area.

OCS 100W

Square feet coverage area .... 1600 square feet

40'
(12 m)

32'
(10 m)

23'
(7 m)

20'
(6 m)

23'
(7 m)

32'
(10 m)

10' (3 m)
Mounting
Height

20' (6 m) Minor
Motion Coverage

40' (12 m) Major
Motion Coverage

Sensor Coverage

US Minor Motion		IR Minor Motion	
US Major Motion		IR Major Motion	

Sensor

InteliDAPT® technology	Auto reset from test setting Self-adjusting timer Self-adjusting passive infrared thresholds Automatic false-on and false-off correction
LED lamp	Red - infrared motion Green - ultrasonic detection

Timer timeout

OCS 100C	Automatic mode: 8 to 42 minutes (self-adjusts based on occupancy) Manual mode: 8 to 42 minutes Test mode: 8 seconds
OCS 100W	Automatic mode: 4 to 30 minutes (self-adjusts based on occupancy) Manual mode: 4, 8, 15 and 30 minutes Test mode: 8 seconds

Ultrasonic (US)

OCS 100C	4 sensors - 32 kHz output
OCS 100W	2 sensors - 32 kHz output

Passive infrared (PIR)

OCS 100C	Dual-element pyrometer and 12-element cylindrical segmented Fresnel lens, integral filter excludes excess PIR energy from sunlight
OCS 100W	Dual-element pyrometer and 12-element cylindrical rugged lens

Relay

Relay	1 Normally Open and Closed contact, single pole, double throw 500 mA rated at 24 VDC, three-wire isolated relay

Photocell

Photocell	Adjustable natural-light override ranges from 1 to 100 foot-candles (10 to 1000 Lux)

Adaptive functions

Learning	4 weeks for response error conditions, air current adaption and timer optimization
Post-learning occupancy periods	24-hour circadian occupancy periods learned
Adjustments in post-learning period	Generally occupied periods Generally unoccupied periods

Digital output

|	
Quantity/type	2 digital outputs
Connectors	Blue wire = Occupancy only Gray wire = Occupancy + Photocell
Output voltage range	0 - 24 VDC Active high logic control signal with short-circuit protection, open collector when unoccupied

General

Sensor power input requirements	20-24 VDC, 33 mA nominal

> **NOTE:** If power is supplied by an optional 12 VDC power supply, then use the included PC 1224 to convert 12 VDC to 24VDC.

PC 1224 power requirements	Input: 12 VDC, 1.5 A max Output: 12 VDC, 1.25 A max 24 VDC, 75 mA max
Wiring	Color coded, pre-stripped leads - 6" (15 am) in total length
Temperature/humidity	Operation: +32 to +104 °F (0 to +40 °C) / 0% to 95 %, noncondensing For indoor use only
Cooling	Convection, no vents

Mounting .... Mounting base provided
Recommended mounting height: 8 feet with a max mounting height of 12 feet

Enclosure type .... Plastic

Enclosure dimensions

OCS 100C .... 4.50" W x 1.40" D
(114 mm W x 36 mm D)
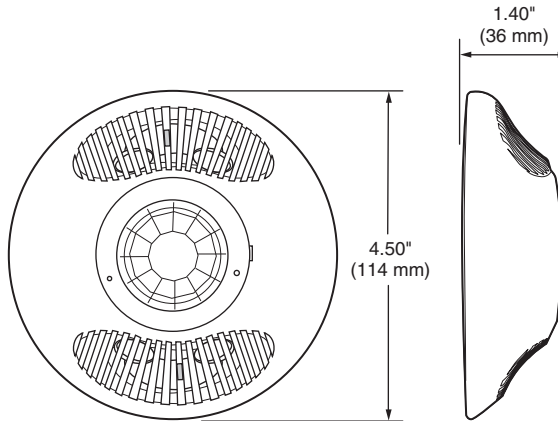
OCS 100W............................. 2.80" W x 5.50" L x 2.10" D
(71 mm W x 140 mm x 53 mm D)
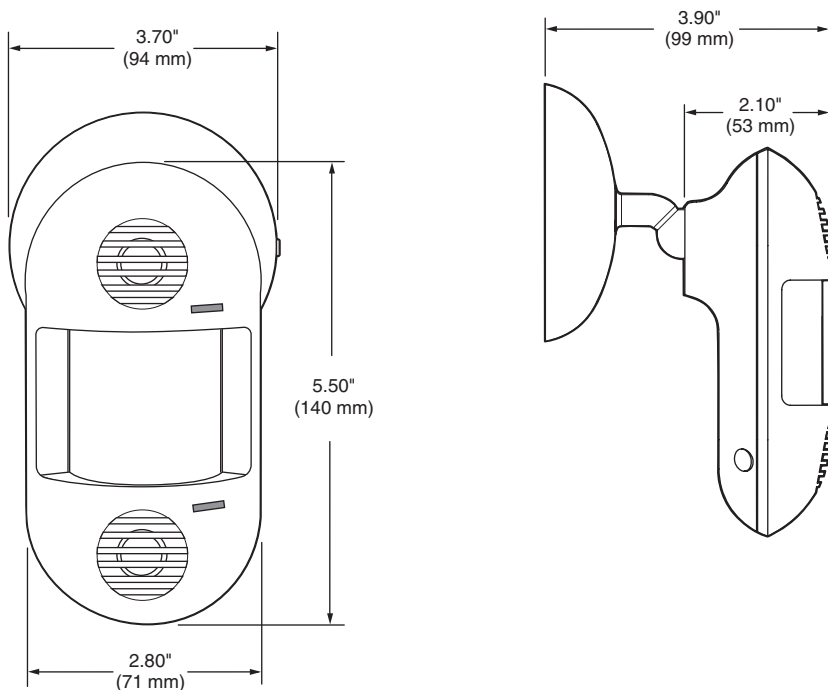
PC 1224................................. 1.00" W x 1.00" L x 0.50" D
(25 mm W x 25 mm L x 13 mm D)

Product weight .... 0.1 lb (<0.1 kg)

Color... Off-white

Regulatory compliance.................. CE, c-UL, UL, FCC Class A
Complies with appropriate requirements of RoHS, WEEE, and California Title 24

Product warranty .... 3 years parts and labor

Everlast power supply warranty...... 7 years parts and labor

NOTE: Specifications are subject to change without notice.

NOTE: Shipping weights and dimensions are available at **www.extron.com**.

4537-D5