360° Ceiling Mount Detector

OPT-SX-360Z

18m Diameter Coverage

OPTEX

Proudly Supplied by

Arrowhead Alarm Products Ltd.

Sensing Innovation

360° CEILING MOUNT PASSIVE INFRARED DETECTOR

SX-360Z

Pyro Electric Element
Terminals
LED Indicator
LED On/Off Switch
Pulse Count Selector
Sensitivity Selector

ZOOM
A • B • C • D • E
Adjusting The Zoom Unit

ZOOM Ring   **ZOOM Lens**
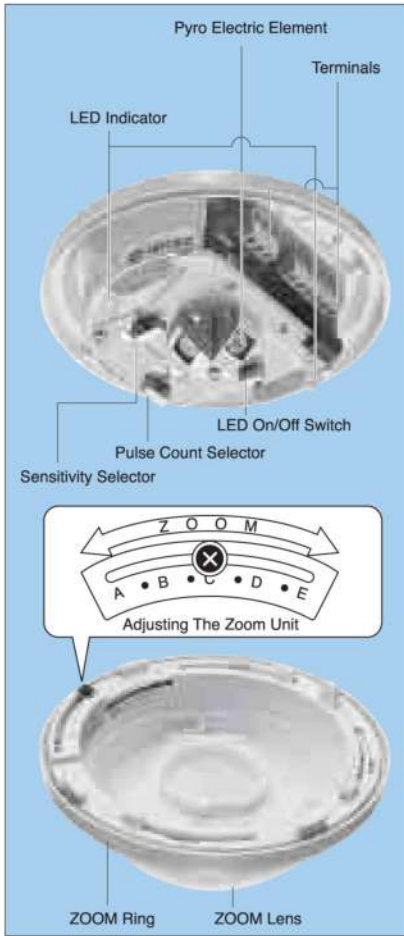
FEATURES

■ Highly Dense
Provides highly dense coverage with as many as 276 detection zones, eliminating dead spots over its broad 18m(60ft.) diameter detection area.

■ Zoom Function/Pattern Adjustment
The pattern angle can be variably adjusted. The special lens can be adjusted up and down by rotating the housing cover of the "Zoom" mechanism. The angle adjustment can provide a 360° 18m(60ft.) diameter detection area at any ceiling height up to 5m(16ft.) with high detection performance.

2.4m (8ft.) — Ø18m (Ø60ft.)
5m (16ft.) — Ø18m (Ø60ft.)
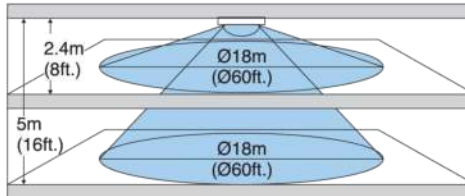
■ Patented Multi-focus Lens
Creates zones with high vertical density for maximum detection sensitivity.

■ False Alarm Protection
• RFI Protection
  No alarm against field strength levels exceeding 30v/m for the range of 100MHz. to 1.2GHz.
• Temperature Protection
  No alarm in high, low and changing temperatures from -20° to +50°C(-4° to+122°F)
• Noise Reduction Circuit
• Selectable Pulse Count: 1,2,4.
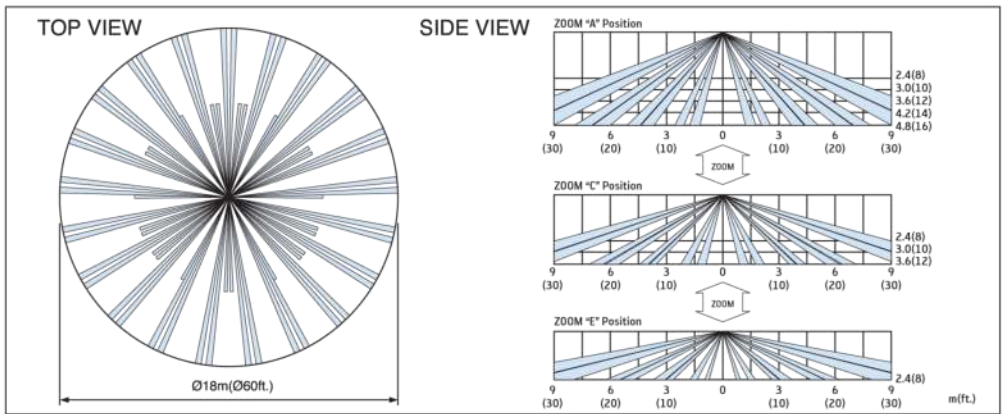• Selectable Sensitivity: High, Medium, Low.

■ Other Features
• LED On/Off Switch.
• Warm-up Indicator

■ Versions
• SX-360Z: Standard•3X-360ZS: Form C Relay
• SX-360ZV: initial Alarm Memory and Patented Double Conductive Shielding of Pyro Element.

DETECTION PATTERNS

TOP VIEW

Ø18m(Ø60ft.)

SIDE VIEW

ZOOM "A" Position
9(30) 6(20) 3(10) 0 3(10) 6(20) 9(30)
2.4(8) 3.0(10) 3.6(12) 4.2(14) 4.8(16)
ZOOM

ZOOM "C" Position
9(30) 6(20) 3(10) 0 3(10) 6(20) 9(30)
2.4(8) 3.0(10) 3.6(12)
ZOOM

ZOOM "E" Position
9(30) 6(20) 3(10) 0 3(10) 6(20) 9(30)
2.4(8)
m(ft.)

SPECIFICATIONS

Model	SX-360Z
Detection method	Passive Infrared
Coverage	ø18m (ø60ft.), 360°ZOOM
Detection zones	276 zones
Mounting	Ceiling Height:2.4~5m (8~16ft.)
Sensitivity	1.6°C (3°F)at 0.6m/sec. (2ft./sec.)
Detectable Speed	0.3~1.8m/sec. (1~6ft./sec.)
LED indicator	LED blinks during warm-up period
	Alam condition
Alarm period	2.0±0.5sec.
Alarm output	N.C. 28VDC 0.2A max.
Tamper switch	N.C., Opens when cover removed.
Pulse count	2.0±5sec. 1,2 or 4
Warm-up period	Approx. 20sec. (LED blinks)
Power input	6~18VDC
Current draw	13mA/(normal), 18mA/(max.)
Weight	224g (7.90oz.)
Operating Temperature	-20°C~+50°C (-4°F~+122°F)
Environment humidity	95% max.
RF interference	No Alam 30 V/m

S Version (Form C)	
Model	SX-360ZS
Alarm output	Form C 28VDC 0.2A max.
Current draw	30mA/(normal), 35mA/(max.)
Weight	225g (7.94oz.)

V Version (Alam memory)		
Model	SX-360ZV	SX-360ZV(P)
Alarm memory	Armed:0~1V DC	Armed:+5~-20V DC
Initial alam memory	Max. 40 detectors	
Current draw	13mA/(normal), 25mA/(max.)	
Weight	227g (8.00oz.)	
RF interference	No Alam 30 V/m	

UL LISTED : SX-360Z

*Specifications and design are subject to change without prior notice.

NOTE: This unit is designed to detect an intruder and activate an alarm control panel. Being only a part of a complete system, we cannot assume responsibility for theft or damages, should it occur.

DIMENSIONS

67(2.46)~73(2.88)
ø128(ø5.04)

Dimensions :mm(inch)