

Mirror Unit



ALEPH
INTERNATIONAL
The First Name In Detection

A MEMBER OF THE NIPPON ALEPH CORPORATION



HA-50/100INF



HA-50/100IN

Compact and Unobtrusive Design: With a combination of an aesthetically pleasing design and simple construction, the units conform with any interior décor. A flush-mount model HA-50INF/100INF is available to further enhance its low-profile image and appearance. Both units conform with a wide range of residential and commercial applications while not interrupting or altering interior aesthetics.

Economical Protection: Due to the simple design of the photoelectric beams, labor costs are held in check while affording quick and easy installations and providing superior performance and protection at a competitive price. The units are affordably priced for both large and small installation requirements.

Immunity to Light Sources: Double light filtering is used to eliminate random interference caused by sunlight and white light sources. Using a superior transmitter intensity, even the most difficult applications are accomplished with ease and trouble-free operation.

Simple Installation and Alignment: Quick line-of-sight alignment is accomplished with highly visible LEDs to ensure proper positioning of the transmitter and receiver. A 10° vertical (IN/INF) and 180° (IN) 30° (INF) horizontal adjustment assures proper operation even in the most difficult of installations and adds to the flexibility and stability for trouble-free performance.

Ultra Reliable Protection: These units are well suited to provide annunciation and early warning against all unauthorized intrusions. The extra-wide transmitted beam assures stable operation during all forms of interior trap protection for residential as well as commercial use. Both primary and secondary detection requirements can be satisfied while providing safe and reliable protection.

FEATURES

- Indoor, Pulsed Infrared Beam Detector
- 10-26 VAC or 8-18.5 VAC Power Requirement
- 50/100 ft. Range
- Compact, Unabtrusive Design
- Quick Installation
- Line of Sight Alignment

HA-50IN 15m(50ft.)

HA-100IN

HA-50/100IN & HA-50/100INF

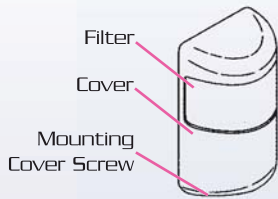
Indoor Photoelectric Beam Detectors

HA-50/100IN & HA-50/100INF

Indoor Photoelectric Beam Detectors

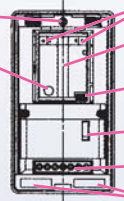
ADVANCED DESIGN FEATURES

DESCRIPTION



Mounting Base Screw

Indicator LED
Transmitter:
 green=transmitting
Receiver:
 green=normal,
 red=alarm



View Finder

Mirror Unit

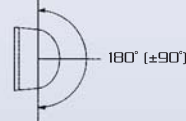
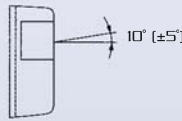
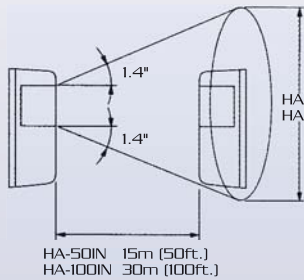
Adjustment Screw
 for vertical adjustment

Tamper Switch

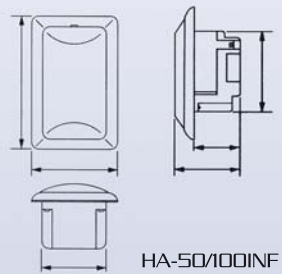
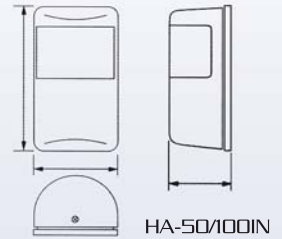
Terminals

Access for wiring

RANGE AND ALIGNMENT



DIMENSIONS



SPECIFICATIONS

MODEL

HA-50/100IN

HA-50/100INF

Recommended Range
 (Indoor use)

50ft. / 100ft.

50ft. / 100ft.

Sensing Type

Pulsed Infrared Beam

Pulsed Infrared Beam

Beam Characteristics

Wavelength 950nm, modulated 1kHz

Wavelength 950nm, modulated 1kHz

Beam Response Time

10 msec min

10 msec min

Transmitter:

Receiver:

Green LED ON in Transmitting Condition

Green LED ON in Normal Condition

Red LED ON in Alarm Condition

Relay Output

NO or NC (Selectable)
 Contact rated: 120 Vac 0.5A,
 24Vdc 1.0A (Resistor Load)

NO or NC (Selectable)
 Contact rated: 120 Vac 0.5A,
 24Vdc 1.0A (Resistor Load)

Alarm Duration

2 sec. ± 1 sec.

2 sec. ± 1 sec.

Tamper Contact

NC Integral

NC Integral

Power Requirement

10 to 26VDC or 8 to 18.5VAC

10 to 26VDC or 8 to 18.5VAC

Current Consumption
 (at 12VDC)

Transmitter: 6mA max.
Receiver: 25mA max.

Transmitter: 7mA max.
Receiver: 25mA max.

Adjustable Alignment

Vertical: 10° (±5°) (IN/INF),
 Horizontal: 180° (±90°) (IN), 30° (±15°) (INF)

Vertical: 10° (±5°) (IN/INF),
 Horizontal: 180° (±90°) (IN), 30° (±15°) (INF)

Operating Temperature

-68°F to +131°F (-25°C to +55°C)

-68°F to +131°F (-25°C to +55°C)

Case Material

Poly phenylene ether
 (Filter: Poly carbonate)

Poly phenylene ether
 (Filter: Poly carbonate)

Weight

Transmitter: 140g (4.9 oz.),
Receiver: 146g (5.2 oz.)

Transmitter: 127g (4.5 oz.),
Receiver: 133g (4.7 oz.)