

TAKEX

SECURITY & CONTROL

PRODUCT CATALOG



Ver.5

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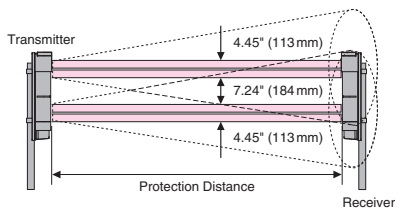
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PRODUCT ICON KEY

The product complies with EU safety and UK health and environmental requirements.	 
The product complies with ACMA regulatory requirements for network integrity, interoperability, performance characteristics, and health & safety.	
The product is listed by UL. Representative samples of the product have been evaluated by UL and meet applicable safety standards.	
The product complies with the limits for a class B digital device, pursuant to part 15 of the FCC rules.	
Access the full product data sheet by scanning the QR code with your mobile device.	

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

PXB-50HF	PXB-100HF	PXB-200HF
50m (165ft) outdoor	100m (330ft) outdoor	200m (660ft) outdoor



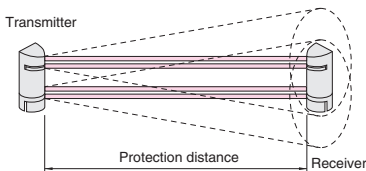
FEATURES

- 4 x synchronized high power beams
- 4 selectable beam channels to prevent crosstalk
- Double modulation for unsurpassed light immunity
- Increased beam separation minimizes nuisance alarms
- Vivid internal color aids beam alignment procedure
- Lightning and surge protection up to 15kV
- Environmental monitoring circuit
- Dynamic auto-gain lock (AGL)
- ±90° horizontal ±20° vertical adjustable sensor heads
- 50,000 lux sunlight immunity
- IP65 housing



Detection System	Near infrared pulsed beam interruption system (TR-RE 4 beam simultaneous interruption)
Alarm Output	Dry contact relay output: form C Contact action: Interruption time (Min.2sec.) Contact capacity: 30V (AC/DC) 0.25A (resistive load) Protective resistor
Supply Voltage	12 to 30V DC (non-polarity)
Current Consumption	30mA to 34mA
Features	<ul style="list-style-type: none"> • Wide beam separation • Upper/lower beam switch • Response time adjustment • Programmable AGC
Ambient Temperature	-35°C to +66°C (-31°F to +151°F)
Optional	Pole cover, Pole-side cover, Heater
External Dimensions - WHD	114 x 450 x 100mm (4.49 x 17.72 x 3.94")
IP Rating	65
Weight - TR/RE	1.5kg (52.5oz) / 1.55kg (54.30oz)

PB-IN-50HFA	PB-IN-100HFA	PB-IN-200HFA
50m (165ft) outdoor	100m (330ft) outdoor	200m (660ft) outdoor



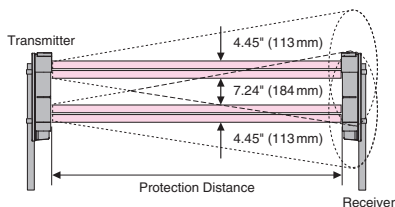
FEATURES

- 4 x synchronized high power beams
- 4 selectable beam channels to prevent crosstalk
- Double modulation for unsurpassed light immunity
- Vivid internal color body stickers aid beam alignment procedure
- Environmental monitoring circuit
- Dynamic auto-gain lock (AGL)
- ±90° horizontal ±10° vertical adjustable sensor heads
- 50,000 lux sunlight immunity
- IP55 housing



Detection System	Near infrared pulsed beam interruption system (TR-RE 4 beam simultaneous interruption)
Alarm Output	Dry contact relay output N.C./N.O. selectable Reset time: Interruption time (Min. 2sec) 30V (AC/DC) 1A Max
Supply Voltage	12 to 30V DC (non-polarity)
Current Consumption	95mA to 120mA
Features	<ul style="list-style-type: none"> • Beam power selection • Frost proof cover • Programmable AGC
Ambient Temperature	-35°C to +66°C (-31°F to +151°F)
Optional	Pole cover, Pole-side cover, Heater, Flush mount housing
External Dimensions - WHD	104 x 390 x 98mm (4.09 x 15.35 x 3.86")
IP Rating	55
Weight - TR/RE	1.2kg (42oz) / 1.3kg (45.5oz)

PXB-50F	PXB-100F	PXB-200F
50m (165ft) outdoor	100m (330ft) outdoor	200m (660ft) outdoor



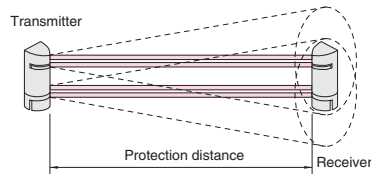
FEATURES

- 4 x synchronized high power beams
- Double modulation for unsurpassed light immunity
- Increased beam separation minimizes nuisance alarms
- Vivid internal color stickers aid beam alignment procedure
- Lightning and surge protection up to 15kV
- Dynamic auto-gain lock (AGL)
- ±90° horizontal ±20° vertical adjustable sensor heads
- 50,000 lux sunlight immunity
- IP65 housing



Detection System	Near infrared pulsed beam interruption (TR-RE 4 beam simultaneous interruption)
Alarm Output	Dry contact relay output: form C Contact action: Interruption time (Min.2 sec.) Contact capacity: 30V (AC/DC) 0.25A (resistive load) Protective resistor
Supply Voltage	12 to 30V DC (non-polarity)
Current Consumption	28mA to 32mA
Features	<ul style="list-style-type: none"> • Wide beam separation • Upper/lower beam switch • Response time adjustment
Ambient Temperature	-35°C to +66°C (-31°F to +151°F)
Optional	Pole cover, Pole-side cover, Heater
External Dimensions - WHD	114 x 450 x 100mm (4.49 x 17.72 x 3.94")
IP Rating	65
Weight - TR/RE	1.5kg (52.5oz) / 1.55kg (54.30oz)

PB-50FA	PB-100FA	PB-200FA
50m (165ft) outdoor	100m (330ft) outdoor	200m (660ft) outdoor



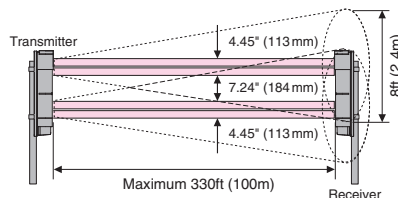
FEATURES

- 4 x synchronized high power beams
- Double modulation for unsurpassed light immunity
- Vivid internal color body stickers aid beam adjustment procedure
- Dynamic auto-gain lock (AGL)
- $\pm 90^\circ$ horizontal $\pm 10^\circ$ vertical adjustable sensor heads
- 50,000 lux sunlight immunity
- IP55 housing



Detection System	Near infrared pulsed beam interruption system (TR-RE 4 beam simultaneous interruption)
Alarm Output	Dry contact relay output N.C./N.O. selectable Reset time: Interruption time (Min. 2sec) 30V (AC/DC) 1A Max
Supply Voltage	12 to 30V DC (non-polarity)
Current Consumption	95mA to 120mA
Features	<ul style="list-style-type: none"> • Programmable AGC • Frost proof cover
Ambient Temperature	-35°C to +66°C (-31°F to +151°F)
Optional	Pole cover, Pole-side cover, Heater, Flush mount housing
External Dimensions - WHD	104 x 390 x 98mm (4.09 x 15.35 x 3.86")
IP Rating	55
Weight - TR/RE	1.2kg (42oz) / 1.3kg (45.5oz)

PXB-100ATC
100m (330ft) outdoor



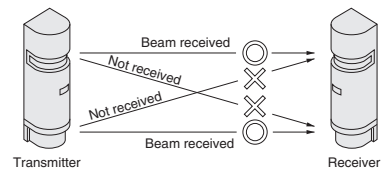
FEATURES

- Independent control of upper and lower beams
- Choose between synchro-quad and anti-crawl operation
- Dual outputs for crawl attempt and full beam break
- Sync wire allows stacking without crosstalk
- 4 selectable beam channels to prevent crosstalk
- Double modulation for unsurpassed light immunity
- Increased beam separation minimizes nuisance alarms
- Vivid internal color aids beam alignment procedure
- Lightning and surge protection up to 15kV
- Environmental monitoring circuit
- Dynamic auto-gain lock (AGL)
- $\pm 90^\circ$ horizontal $\pm 20^\circ$ vertical adjustable sensor heads
- 50,000 lux sunlight immunity
- IP65 housing



Detection System	Near infrared pulsed beam interruption system (Anti-crawling)
Alarm Output	Dry contact relay output N.C./N.O. selectable Contact action: Interruption time (Min.2sec.) Contact capacity: 30V (AC/DC) 0.25A (resistive load) Protective resistor
Supply Voltage	12 to 30V DC (non-polarity)
Current Consumption	75mA
Features	<ul style="list-style-type: none"> • Wide beam separation • Upper/lower beam switch • Programmable AGC
Ambient Temperature	-35°C to +66°C (-31°F to +151°F)
Optional	Pole cover, Pole-side cover, Heater
External Dimensions - WHD	114 x 450 x 100mm (4.49 x 17.72 x 3.94")
IP Rating	65
Weight - TR/RE	1.4kg (49oz) / 1.5kg (52.5oz)

PB-IN-100AT
100m (330ft) outdoor



FEATURES

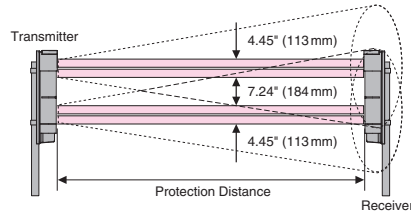
- Anti-crawl beam for high-security applications
- Independent activation of upper or lower beams
- 4 selectable beam channels to prevent crosstalk
- Dual response time system
- Double modulation for unsurpassed light immunity
- Vivid internal color body stickers aid beam adjustment procedure.
- Environmental monitoring circuit
- Dynamic auto-gain lock (AGL)
- $\pm 90^\circ$ horizontal $\pm 10^\circ$ vertical adjustable sensor heads
- 50,000 lux sunlight immunity
- IP55 housing



Detection System	Near infrared pulsed beam interruption system (Anti-crawling)
Alarm Output	Dry contact relay output: form C Reset time: Detection time + delay time (approx. 1.5sec) 30V (AC/DC) 0.25A Max
Supply Voltage	12 to 30V DC (non-polarity)
Current Consumption	57mA
Features	<ul style="list-style-type: none"> • Dual response time system • Programmable AGC
Ambient Temperature	-35°C to +66°C (-31°F to +151°F)
Optional	Pole cover, Pole-side cover, Heater, Flush mount housing
External Dimensions - WHD	104 x 390 x 98mm (4.09 x 15.35 x 3.86")
IP Rating	55
Weight - TR/RE	1.2kg (42oz) / 1.3kg (45.5oz)

TXF-125DM

25m (82ft) 50m (165ft) 75m (245ft) 100m (330ft)



FEATURES

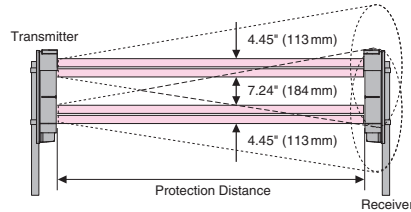
- 4 x synchronized high power beams
- 4 selectable operation ranges (25/50/75/100m)
- 4 selectable beam channels to prevent crosstalk
- Double modulation for surpassed light immunity
- Up to 3 year battery life using LS33600(3.6V 17Ah) : 4 pcs for transmitter and 2 pcs for receiver
- Increased beam separation minimizes nuisance alarms
- Vivid internal color aids beam alignment procedure
- Environmental monitoring circuit
- ±90° horizontal ±20° vertical adjustable sensor heads
- IP65 housing
- Optional accessories available:
 - Extension cable (for use in tower enclosures)
 - Power Converter Unit TR/RE (for wired operation)



Detection System	Near infrared pulsed beam interruption system (TR-RE 4 beam simultaneous interruption)
Alarm Output	Solid state switch: form C DC 3.6V 0.01A (resistive load)
Supply Voltage	3.6V DC (SAFT LS33600 recommended)
Current Consumption	When armed Transmitter : Approx. 1.130µA Receiver : Approx. 520µA
Features	<ul style="list-style-type: none"> • Double modulation beam • Wide beam separation • Upper/lower beam switch • Low battery indication • Battery saving • Repeat output
Ambient Temperature	-25°C to +60°C (-13°F to +140°F)
Optional	Pole cover
External Dimensions - WHD	114 x 450 x 135mm (4.49 x 17.72 x 5.31")
IP Rating	65
Weight - TR/RE	1.35kg (47.3oz) / 1.35kg(47.3oz) (excluding batteries)

TXF-125E

25m (82ft) 50m (165ft) 75m (245ft) 100m (330ft)



FEATURES

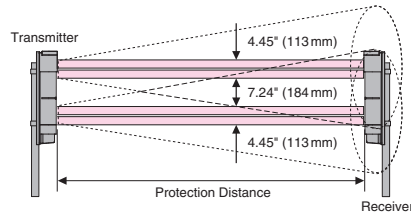
- 4 x synchronized high power beams
- 4 selectable operation ranges (25/50/75/100m)
- 4 selectable beam channels to prevent crosstalk
- Up to 5 year battery life using 2 x LS 33600 (3.6V 17Ah) batteries per unit
- Increased beam separation minimizes nuisance alarms
- Vivid internal color aids beam alignment procedure
- Environmental monitoring circuit
- ±90° horizontal ±20° vertical adjustable sensor heads
- IP65 housing



Detection System	Near infrared pulsed beam interruption (TR-RE 4 beam simultaneous interruption)
Alarm Output	Dry contact relay output: form C Contact capacity: DC 30V 0.1A (resistive load)
Supply Voltage	3.6V DC (SAFT LS33600 recommended)
Current Consumption	When armed Transmitter : Approx 430µA Receiver : Approx 320µA
Features	<ul style="list-style-type: none"> • Single modulation beam • Wide beam separation • Upper/lower beam switch • Low battery indication • Battery saving • Repeat output • Battery sharing
Ambient Temperature	-25°C to +60°C (-13°F to +140°F)
Optional	Pole cover
External Dimensions - WHD	114 x 450 x 135mm (4.49 x 17.72 x 5.90")
IP Rating	65
Weight - TR/RE	1.5kg (52.5oz) / 1.55kg (54.3oz) (excluding batteries)

TXF-125E-KH

25m (82ft) 50m (165ft) 75m (245ft) 100m (330ft)



FEATURES

- Specifically designed for use in TA series Tower Enclosures
- 4 x synchronized high power beams
- 4 selectable operation ranges (25/50/75/100m)
- 4 selectable beam channels to prevent crosstalk
- Up to 5 year battery life using 2 x LS 33600 (3.6V 17Ah) batteries per unit
- Increased beam separation minimizes nuisance alarms
- Vivid internal color aids beam alignment procedure
- Environmental monitoring circuit
- ±90° horizontal ±20° vertical adjustable sensor heads

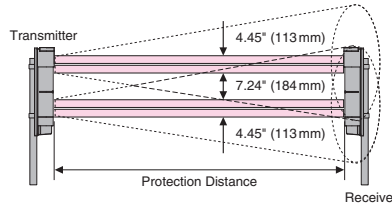
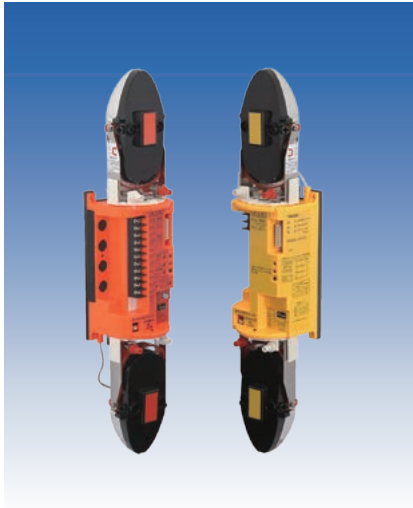


Detection System	Near infrared pulsed beam interruption (TR-RE 4 beam simultaneous interruption)
Alarm Output	Dry contact relay output: form C Contact capacity: DC 30V 0.1A (resistive load)
Supply Voltage	3.6V DC (SAFT LS33600 recommended)
Current Consumption	When armed Transmitter : Approx 430µA Receiver : Approx 320µA
Features	<ul style="list-style-type: none"> • Single modulation beam • Wide beam separation • Upper/lower beam switch • Low battery indication • Battery saving • Repeat output • Battery sharing
Ambient Temperature	-25°C to +60°C (-13°F to +140°F)

BATTERY BEAMS
Reducing the time and cost of permanent installation and allowing the use of Active Infrared Beams on rapid deployment or temporary installations.

TOWER BEAMS
Designed specifically for use in our TA Series Tower Enclosures, supplied with mounting brackets for fast, trouble-free assembly.

PXB-50HF-KH	PXB-100HF-KH	PXB-200HF-KH
50m (165ft) outdoor	100m (330ft) outdoor	200m (660ft) outdoor



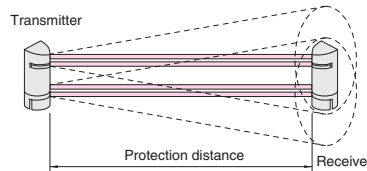
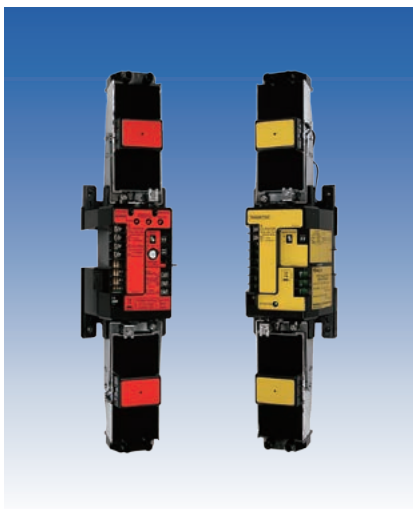
FEATURES

- Specifically designed for use in TA series Tower Enclosures
- Double coated electronics for demanding environments
- 4 x synchronized high power beams
- 4 selectable beam channels to prevent crosstalk
- Double modulation for unsurpassed light immunity
- Increased beam separation minimizes nuisance alarms
- Vivid internal color aids beam alignment procedure
- Lightning and surge protection up to 15kV
- Environmental monitoring circuit
- Dynamic auto-gain lock (AGL)
- ±90° horizontal ±20° vertical adjustable sensor heads
- 50,000 lux sunlight immunity



Detection System	Near infrared pulsed beam interruption system (TR-RE 4 beam simultaneous interruption)
Alarm Output	Dry contact relay output: form C Contact action: Interruption time (Min.2sec.) Contact capacity: 30V (AC/DC) 0.25A (resistive load) Protective resistor
Supply Voltage	12 to 30V DC (non-polarity)
Current Consumption	30mA to 34mA
Features	<ul style="list-style-type: none"> • Wide beam separation • Upper/lower beam switch • Response time adjustment • Programmable AGC
Ambient Temperature	-35°C to +66°C (-31°F to +151°F)

PB-50HFA-KH	PB-100HFA-KH	PB-200HFA-KH
50m (165ft) outdoor	100m (330ft) outdoor	200m (660ft) outdoor



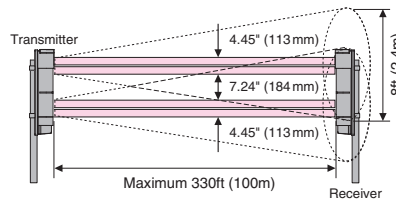
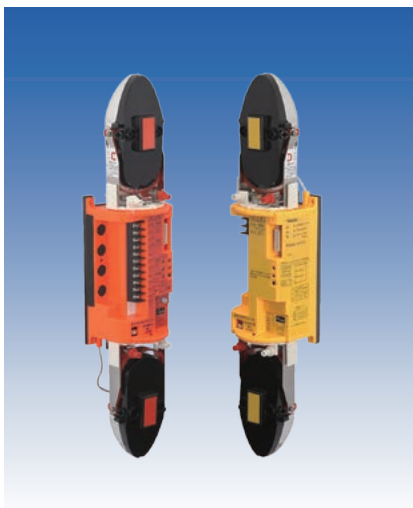
FEATURES

- Specifically designed for use in TA series Tower Enclosures
- Double coated electronics for demanding environments
- 4 x synchronized high power beams
- 4 selectable beam channels to prevent crosstalk
- Double modulation for unsurpassed light immunity
- Vivid internal color body stickers aid beam alignment procedure
- Environmental monitoring circuit
- Dynamic auto-gain lock (AGL)
- ±90° horizontal ±10° vertical adjustable sensor heads
- 50,000 lux sunlight immunity



Detection System	Near infrared pulsed beam interruption system (TR-RE 4 beam simultaneous interruption)
Alarm Output	Dry contact relay output N.C./N.O. selectable Reset time: Interruption time (Min. 2sec) 30V (AC/DC) 1A Max
Supply Voltage	12 to 30V DC (non-polarity)
Current Consumption	95mA to 120mA
Features	<ul style="list-style-type: none"> • Beam power selection • Programmable AGC
Ambient Temperature	-35°C to +66°C (-31°F to +151°F)

PXB-100ATC-KH
100m (330ft) outdoor



FEATURES

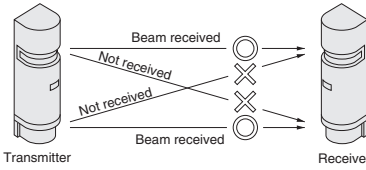
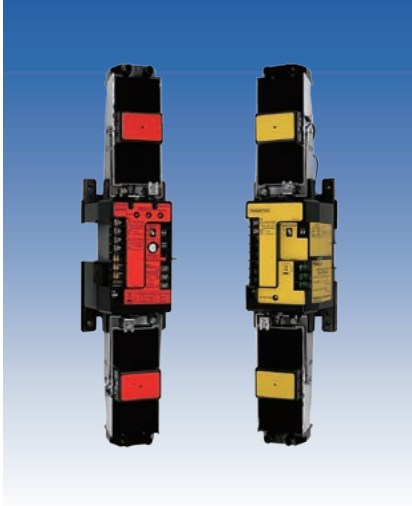
- Specifically designed for use in TA series Tower Enclosures
- Double coated electronics for demanding environments
- Independent control of upper and lower beams
- Choose between synchro-quad and anti-crawl operation
- Dual outputs for crawl attempt and full beam break
- Sync wire allows stacking without crosstalk
- 4 selectable beam channels to prevent crosstalk
- Double modulation for unsurpassed light immunity
- Increased beam separation minimizes nuisance alarms
- Vivid internal color body aids beam alignment procedure
- Lightning and surge protection up to 15kV
- Environmental monitoring circuit
- Dynamic auto-gain lock (AGL)
- ±90° horizontal ±20° vertical adjustable sensor heads
- 50,000 lux sunlight immunity



Detection System	Near infrared pulsed beam interruption system (Anti-crawling)
Alarm Output	Dry contact relay output N.C./N.O. selectable Contact action: Interruption time (Min.2sec.) Contact capacity: 30V (AC/DC) 0.25A (resistive load) Protective resistor
Supply Voltage	12 to 30V DC (non-polarity)
Current Consumption	75mA
Features	<ul style="list-style-type: none"> • Wide beam separation • Upper/lower beam switch • Response time adjustment • Programmable AGC
Ambient Temperature	-35°C to +66°C (-31°F to +151°F)

PB-100AT-KH

100m (330ft) outdoor



FEATURES

- Specifically designed for use in TA series Tower Enclosures
- Anti-crawl beam for high-security applications
- Independent activation of upper or lower beams
- Double coated electronics for demanding environments
- 4 selectable beam channels to prevent crosstalk
- Double modulation for unsurpassed light immunity
- Vivid internal color body stickers aid beam alignment procedure
- Environmental monitoring circuit
- Dynamic auto-gain lock (AGL)
- $\pm 90^\circ$ horizontal $\pm 10^\circ$ vertical adjustable sensor heads
- 50,000 lux sunlight immunity



Detection System	Near infrared pulsed beam interruption system (Anti-crawling)
Alarm Output	Dry contact relay output: form C Reset time: Detection time + delay time (approx. 1.5sec) 30V (AC/DC) 0.25A Max
Supply Voltage	12 to 30V DC (non-polarity)
Current Consumption	57mA
Features	<ul style="list-style-type: none"> • Dual response time system • Programmable AGC
Ambient Temperature	-35°C to +66°C (-31°F to +151°F)

TOWER BEAMS
Designed specifically for use in our TA Series Tower Enclosures, supplied with mounting brackets for fast, trouble-free assembly.

PB-20TE

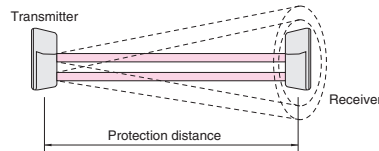
20m (66ft) outdoor

PB-40TE

40m (135ft) outdoor

PB-60TE

60m (200ft) outdoor



FEATURES

- 2 x synchronized high power beams
- 4 selectable beam channels to prevent crosstalk
- Double modulation for unsurpassed light immunity
- Vivid internal color body stickers aid beam alignment procedure
- $\pm 90^\circ$ horizontal $\pm 10^\circ$ vertical adjustable sensor heads
- 50,000 lux sunlight immunity
- IP54 housing



Detection System	Near infrared (through type)
Alarm Output	Dry contact relay output: form C Reset time: Detection time + delay time (approx. 1 - 3sec) 30V (AC/DC) 0.5 A Max
Supply Voltage	12 to 30V DC (non-polarity)
Current Consumption	55mA to 80mA
Features	<ul style="list-style-type: none"> • Auto-gain control (AGC) • Monitor jack output • Frost-proof cover
Ambient Temperature	-25°C to +60°C (-13°F to +140°F)
Mounting Position	Outdoor, indoor
Optional	Pole cover, Pole attachment
External Dimensions - WHD	73 x 170 x 71.5mm (2.87 x 6.69 x 2.81")
IP Rating	54
Weight - TR/RE	380g (13.3oz) / 400g (14oz)

TWIN BEAMS
Featuring an unsurpassed immunity to sunlight and artificial light sources—ideal for protecting windows, doors, fence lines, entrances and driveways.

PB-30TK

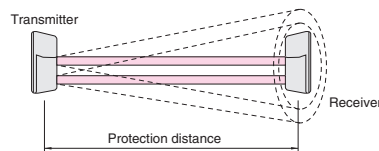
30m (100ft) outdoor

PB-60TK

60m (200ft) outdoor

PB-100TK

100m (330ft) outdoor



FEATURES

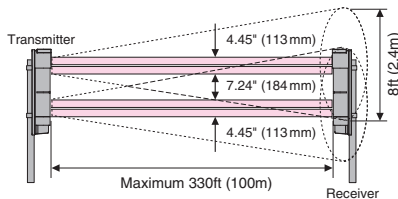
- 2 x synchronized high power beams
- Double modulation for unsurpassed light immunity
- Vivid internal color body stickers aid beam alignment procedure
- $\pm 90^\circ$ horizontal $\pm 10^\circ$ vertical adjustable sensor heads
- 50,000 lux sunlight immunity
- IP54 housing



Detection System	Near infrared (through type)
Alarm Output	Dry contact relay output: form C Reset time: Detection time + delay time (approx. 1 - 3sec) 30V (AC/DC) 0.5 A Max
Supply Voltage	10 to 30V DC (non-polarity)
Current Consumption	53mA to 80mA
Features	<ul style="list-style-type: none"> • Auto-gain control (AGC) • Monitor jack output • Frost-proof cover
Ambient Temperature	-25°C to +60°C (-13°F to +140°F)
Mounting Position	Outdoor, indoor
Optional	Pole cover, Pole attachment
External Dimensions - WHD	73 x 170 x 71.5mm (2.87 x 6.69 x 2.81")
IP Rating	54
Weight - TR/RE	380g (13.3oz) / 400g (14oz)

PXB-100SW

100m (330ft) outdoor



FEATURES

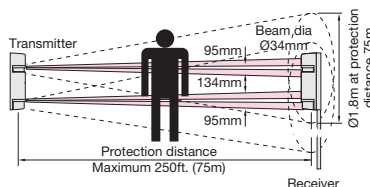
- Low-current beam for battery or solar operation
- 4 x synchronized high power beams
- 4 selectable beam channels to prevent crosstalk
- Double modulation for unsurpassed light immunity
- Increased beam separation minimizes nuisance alarms
- Vivid internal color aids beam alignment procedure
- Lightning and surge protection up to 15kV
- Environmental monitoring circuit
- Dynamic auto-gain lock (AGL)
- ±90° horizontal ±20° vertical adjustable sensor heads
- IP65 housing
- Optional BA-6SLA solar panel kit available



Detection System	Near infrared pulsed beam interruption (TR-RE 4 beam simultaneous interruption)
Alarm Output	Dry contact relay output N.C./N.O. selectable Contact action: Interruption time (Min.2 sec.) Contact capacity: 30V(AC/DC) 0.25A (resistive load) Protective resistor
Supply Voltage	5 to 8V DC or 10 to 30V DC (with polarity)
Current Consumption	when armed 5V to 8V DC: 6mA (TR 3.7/RE 2.3mA) 10V to 30V DC: 8.3mA (TR 5.2/RE 3.1 mA)
Ambient Temperature	-35°C to +66°C (-31°F to +151°F)
External Dimensions - WHD	114 x 450 x 100mm (4.49 x 17.72 x 3.94")
IP Rating	65
Weight - TR/RE	1.5kg (52.9oz) / 1.55kg (54.7oz)

PB-IN-75SW

75m (250ft) outdoor



FEATURES

- Low-current beam for battery or solar operation
- 4 selectable beam channels to prevent crosstalk
- Double modulation for unsurpassed light immunity
- Environmental monitoring circuit
- Dynamic auto-gain lock (AGL)
- ±90° horizontal ±10° vertical adjustable sensor heads
- IP55 housing
- Optional BA-6SLA solar panel kit available



Detection System	Near infrared pulsed beam interruption (TR-RE 4 beam simultaneous interruption)
Alarm Output	Dry contact relay: form C Reset time: Detection time + delay time (approx. 2secs) 30V (AC/DC) 1A
Supply Voltage	5 to 8V DC or 10 to 30V DC (with polarity)
Current Consumption	when armed 5 to 8V DC: 6mA (TR 3.7/RE 2.3mA) 10 to 30V DC: 25mA (TR 15/RE 10mA)
Ambient Temperature	-25°C to +60°C (-13°F to +140°F)
External Dimensions - WHD	104 x 390 x 98mm (4.09 x 15.35 x 3.86")
IP Rating	55
Weight - TR/RE	1.2kg (42oz) / 1.3kg (45.5oz)

BA-6SLA

solar panel kit



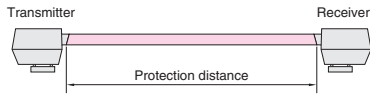
FEATURES

- Solar panel kit for PB-IN-75SW & PXB-100SW
- Consists of 1 x solar panel unit & 1 x power unit
- Supports up to 2 beam sets
- Low-voltage LED/output
- Battery not included



Power output	3V DC 50mA or less for Wireless transmitter 6V DC 12mA or less for Beam sensor
Battery (not included)	Capacity: 6V DC 7.2 Ah Size: 149 - 153mm (5.87 - 6.02") 32 - 36mm (1.26 - 1.42") 92 - 96mm (3.62 - 3.78")
Solar Panel Output	Voltage: Max 8.4V Current: Max 0.18A (when Sunlight 1kW/m2)
Ambient Temperature	-10°C to +50°C (+14°F to +122°F)
Weight	Power Unit: 1.3kg (45.9oz) Solar panel: 600g (21.2oz)

PXH-100EX	PXH-200EX	PXH-400EX
100m (330ft) outdoor	200m (660ft) outdoor	400m (1,320ft) outdoor



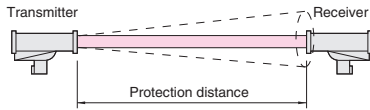
FEATURES

- Modulated pulsed high power beam
- Intrinsically safe (iad2G4)
- Ideal for monitoring hazardous locations

Detection System	Near infrared (pulsed beam)
Alarm Output	Dry contact relay output: N.C. Contact action: Interruption time (Min. 2sec) 30V (AC/DC) 0.25A Max
Supply Voltage	100VAC
Current Consumption	9.3VA (50Hz) • 5.9VA (60Hz)
Ambient Temperature	-10°C to +40°C (14°F to +104°F)
Mounting Position	Outdoor, Indoor
External Dimensions - WHD	261 x 198 x 350mm (10.27 x 7.79 x 13.77")
Weight	Max. 12.5kg (27.6lb) / unit

INTRINSICALLY SAFE BEAM
Manufactured in accordance with Technical Recommendations by Ministry of Labor - The Research Institute of Industrial Safety, Japan.

PH-200SE	PH-600SE
200m (660ft) outdoor	600m (1,980ft) outdoor



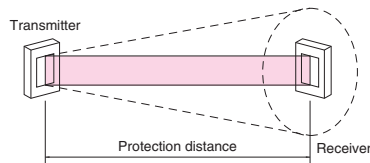
FEATURES

- Modulated pulsed high power beam
- Single beam/synchronized twin operation possible using optional module
- 4 set stacked/linear protection
- Quick Beam Alignment
- Anti-malfunction circuit
- External environmental diagnostic function

Detection System	Near infrared (pulsed beam)
Alarm Output	Dry contact relay output: N.C. Reset time: Detection time + delay time (approx. 2sec) 30V (AC/DC) 0.5A Max
Supply Voltage	10.5 to 30V DC (non-polarity)
Current Consumption	45mA (12V DC)
Ambient Temperature	-20°C to +50°C (-4°F to +122°F)
Mounting Position	Outdoor, indoor
Optional	SEC Circuit, Long hood
External Dimensions - WHD	124 x 170 x 240mm (5 x 6.66 x 3.66") (PH-200SE)
Weight - TR/RE	(200SE) 2kg (4.4lb) / unit (600SE) 8kg (17.6lb) / unit

LONG RANGE BEAM
Designed for perimeter protection in extensive grounds with robust housing.

PB-30SU
30m (100ft) indoor



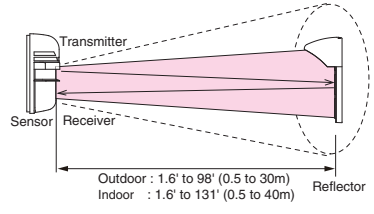
FEATURES

- Flush mount type
- Unobtrusive design for residential/commercial use
- Auto-gain control (AGC)

Detection System	Near infrared (through type)
Alarm Output	Dry contact relay output: N.C./N.O. selectable Reset time: Detection time + delay time (approx. 2sec) 24V (AC/DC) 0.25A Max
Supply Voltage	10 to 30V DC (non-polarity)
Current Consumption	31mA
Ambient Temperature	-20°C to +50°C (-4°F to +122°F)
Mounting Position	Indoor
External Dimensions - WHD	70 x 120 x 45mm (2.76 x 4.72 x 1.78")
Weight - TR/RE	90g (3.2oz) / 95g (3.4oz)

FLUSH MOUNT BEAM
Features: 100ft indoor coverage, flush wall mountable on a single gang box.

PR-30BE
30m (100ft) outdoor



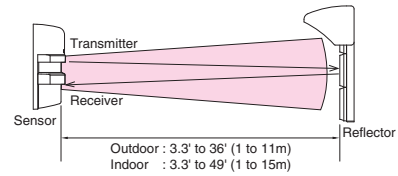
FEATURES

- Reflection type
- Time of Flight technology
- Cable only to one end: for applications where a beam break is desirable but wiring to both ends is impractical
- Suitable for both indoor and outdoor use
- Distance measurement system
- Sound check
- ±90° horizontal ±5° vertical adjustable sensor head



Detection System	Near infrared (reflection type)
Alarm Output	Dry contact relay output: N.C./N.O. selectable 30V (AC/DC) 0.25A Max
Supply Voltage	10.5 to 30V (non-polarity)
Current Consumption	200mA
Ambient Temperature	-25°C to +60°C (-13°F to +140°F)
Mounting Position	Outdoor, Indoor
External Dimensions - WHD	73 x 170 x 71.5mm (2.87 x 6.69 x 2.81")
Weight - SENS/REFL	370g (11.64oz) / 190g (6.7oz)

PR-11BE
11m (36ft) outdoor



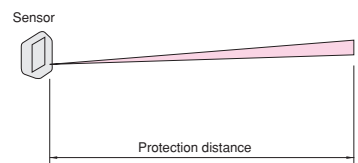
FEATURES

- Reflection type
- Cable only to one end: for applications where a beam break is desirable but wiring to both ends is impractical
- Suitable for both indoor and outdoor use
- Monitor jack output
- Frost-proof cover
- ±90° horizontal ±10° vertical adjustable sensor head



Detection System	Near infrared (reflection type)
Alarm Output	Dry contact relay output: N.C./N.O. selectable 30V (AC/DC) 0.5A Max
Supply Voltage	10.5 to 30V DC (non-polarity)
Current Consumption	55mA
Ambient Temperature	-25°C to +60°C (-13°F to +140°F)
Mounting Position	Outdoor, Indoor
External Dimensions - WHD	73 x 170 x 71.5mm (2.87 x 6.69 x 2.81")
Weight - SENS/REFL	430g (15oz) / 490g (17oz)

PR-1B
1m (3.3ft) indoor



FEATURES

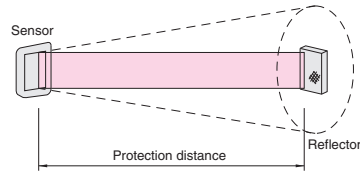
- Motionless objects can be detected
- Direct reflection system (no reflector required)
- Cable only to one end: for applications where a beam break is desirable but wiring to both ends is impractical
- Slim and compact size
- Snap off/on terminal cover for easy wiring



Detection System	Near infrared (direct reflection type)
Alarm Output	Dry contact relay output: 1c Reset time: Detection time + delay time (approx. 0.5sec) 30V (AC/DC) 0.5A Max
Supply Voltage	10.5 to 22V DC (non-polarity)
Current Consumption	60mA
Ambient Temperature	-20°C to +50°C (-4°F to +122°F)
Mounting Position	Indoor
Optional	Flush mount plate, L bracket
External Dimensions - WHD	62 x 106 x 23.5mm (2.44 x 4.17 x 0.93")
Weight	75g (2.6oz)

PR-5B

5m (16.5ft) indoor



FEATURES

- Reflection type
- Cable only to one end: for applications where a beam break is desirable but wiring to both ends is impractical
- Ideal for short distance protection across entrances and exits, corridors and staircases
- Slim and compact size
- Snap off/on terminal cover for easy wiring



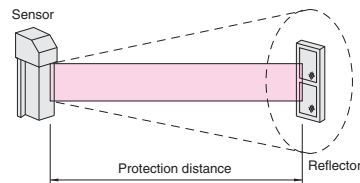
Detection System	Near infrared (reflection type)
Alarm Output	Dry contact relay output: form C Reset time: Detection time + delay time (approx. 1sec) 30V (AC/DC) 0.5A Max
Supply Voltage	10.5 to 26V DC (non-polarity)
Current Consumption	37mA
Ambient Temperature	-20°C to +50°C (-4°F to +122°F)
Mounting Position	Indoor
Optional	Flush mount plate, L bracket
External Dimensions - WHD	62 x 106 x 23.5mm (2.44 x 4.17 x 0.93")
Weight - SENS/REFL	90g (3.2oz) / 50g (1.8oz)

PR-10B

10m (33ft) indoor

PR-10BAU

10m (33ft) indoor



FEATURES

- Reflection type
- Cable only to one end: for applications where a beam break is desirable but wiring to both ends is impractical
- ±90° horizontal adjustable sensor head
- Surface mount (PR-10B) and flush mount (PR-10BAU) types available



Model	PR-10B	PR-10BAU
Detection System	Near infrared (reflection type)	
Alarm Output	Dry contact relay output: N.C.	
Supply Voltage (non-polarity)	30V (AC/DC) 0.5A	24V (AC/DC) 0.25A
Current Consumption	30mA or less	10.5~30V DC
Ambient Temperature	-20°C to +50°C (-4°F to +122°F)	
Mounting Position	Indoor	
External Dimensions - WHD	62 x 157 x 62mm (2.44 x 6.18 x 2.44")	120 x 184 x 57mm (4.72 x 7.24 x 2.24")
Weight - SENS/REFL	220g(7.7oz)/ 90g(3.2oz)	450g(15.8oz)/ 90g(3.2oz)

PB-10NS

10m (33ft) indoor



FEATURES

- Single beam
- Miniaturized control box
- Sensor cord can be cut to required length
- Supplied with flush mounting plates for sensor heads
- Ideal for discreet/covert/prestige applications
- Built-in sensitivity adjustment



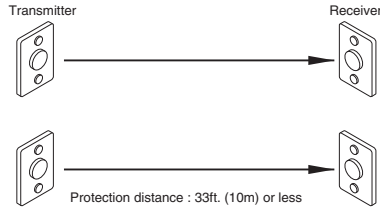
Detection System	Near infrared (through type)
Alarm Output	Dry contact relay output: N.C./N.O. selectable Reset time: Detection time + delay time (approx. 1sec.) 30V (AC/DC) 0.3A Max
Supply Voltage	10 to 30V DC (non-polarity)
Current Consumption	45mA
Ambient temperature	-25°C to +55°C (-13°F to +131°F)
Mounting Position	Indoor, semi-outdoor
External Dimensions - WHD	SENS: 15 dia. x 16mm (0.59 dia. x 0.63") AMP: 45 x 120 x 29mm (1.77 x 4.72 x 1.14")
Weight - SENS/AMP	120g (4.2oz) inc. cable / 95g (3.3oz)

REFLECTIVE BEAMS
The single-ended nature of our reflective beams make them ideal for short distance monitoring across entrances and exits, corridors and staircases.

MINIATURE BEAMS
Ideal for discreet/covert/prestige applications including ATM machines, motor driven shutters, windows and corridors.

PB-10TNS

10m (33ft) indoor



FEATURES

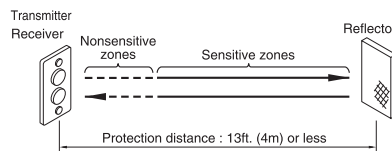
- Twin beam
- AND/OR operation mode
- Miniaturized control box
- Sensor cord can be cut to required length
- Supplied with flush mounting plates for sensor heads
- Ideal for discreet/covert/prestige applications
- Built-in sensitivity adjustment

Detection System	Near infrared (through type)
Alarm Output	Dry contact relay output: N.C./N.O. selectable Reset time: Detection time + delay time (approx. 1 sec.) 30V (AC/DC) 0.3A Max
Supply Voltage	10 to 30V DC (non-polarity)
Current Consumption	55mA
Ambient Temperature	-25°C to +55°C (-13°F to +131°F)
Mounting Position	Indoor, semi-outdoor
External Dimensions - WHD	SENS: 15 dia. x 16mm (0.59 dia. x 0.63") AMP: 45 x 120 x 29mm (1.77 x 4.72 x 1.14")
Weight - SENS/AMP	120g (4.2oz) inc. cable / 95g (3.3oz)



PB-4RNS

4m (13ft) indoor



FEATURES

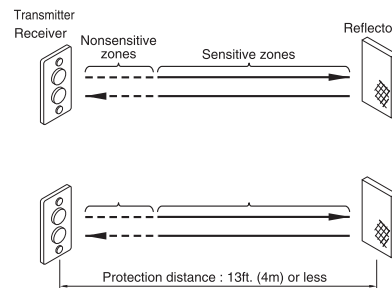
- Single beam
- Miniaturized control box
- Easy installation
- Built-in sensitivity control
- Sensor cord can be cut to required length

Detection System	Near infrared (reflection type)
Alarm Output	Dry contact relay output : N.C./N.O. selectable Reset time: Detection time + delay time (approx. 1sec.) 30V (AC/DC) 0.3A Max
Supply Voltage	10 to 30V DC (non-polarity)
Current Consumption	45mA
Ambient Temperature	-25°C to +55°C (-13°F to +131°F)
Mounting Position	Indoor, semi-outdoor
External Dimensions - WHD	SENS: 15 dia. x 16mm(0.59 dia. x 0.63") AMP: 45 x 120 x 29mm(1.77 x 4.72 x 1.14") REF: 69 x 84 x 13mm(2.71 x 3.30 x 0.51")
Weight - SENS/AMP	120g (4.2oz) inc. cable / 95g (3.3oz)



PB-4RTNS

4m (13ft) indoor



FEATURES

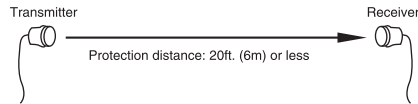
- Twin beam
- Miniaturized control box
- Easy installation
- Built-in sensitivity control
- Sensor cord can be cut to required length

Detection System	Near infrared (reflection type)
Alarm Output	Dry contact relay output : N.C./N.O. selectable Reset time: Detection time + delay time (approx. 1sec.) 30V (AC/DC) 0.3A Max
Supply Voltage	10 to 30V DC (non-polarity)
Current Consumption	55mA
Ambient Temperature	-25°C to +55°C (-13°F to +131°F)
Mounting Position	Indoor, semi-outdoor
External Dimensions - WHD	SENS: 15 dia. x 16mm(0.59 dia. x 0.63") AMP: 45 x 120 x 29mm(1.77 x 4.72 x 1.14") REF: 69 x 84 x 13mm(2.71 x 3.30 x 0.51")
Weight - SENS/AMP	120g (4.2oz) inc. cable / 95g (3.3oz)



DS-6ND

6m (20ft) indoor



FEATURES

- Single beam
- Miniaturized control box
- Built-in sensitivity control
- Sensor code can be cut to required length

Detection System	Near infrared (through type)
Alarm Output	Dry contact relay output : N.O. Reset time: Detection time delay time (approx. 1sec.) 30V (AC/DC) 0.3A Max
Supply Voltage	10 to 30V DC (non-polarity)
Current Consumption	50mA
Ambient Temperature	-25°C to +55°C (-13°F to +131°F)
Mounting Position	Indoor, semi-outdoor
External Dimensions - WHD	SENS: 15 dia. x 16mm (0.59 dia. x 0.63") AMP: 45 x 94 x 29mm (1.77 x 3.70 x 1.14")
Weight - SENS/AMP	100g (3.5oz) inc. cable / 70g (2.5oz)

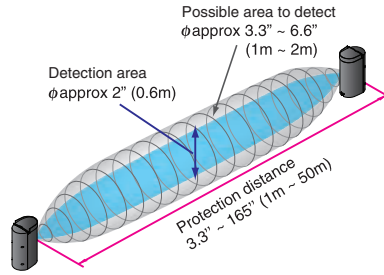
MINIATURE BEAMS
Ideal for discreet/covert/prestige applications including ATM machines, motor driven shutters, windows and corridors.

	BH-200 Long hood For: • PH-200SE/600SE		BL-5 BL-10 L fittings For: • PR-1B/5B (BL-5) • PR-10B (BL-10)		BL-11 L fitting For: • PR-11BE • PR-30BE
	BP-5B BP-5D Flush mount plate (sensor) For: • PR-1B • PR-5B		BP-5C Flush mount plate (reflector) For: • PR-5B		BP-60A Pole attachment (Pole dia. 38-45mm) For: • PB-20/40/60TE • PB-30/60/100TK • PR-11BE
	BP-60TE Pole cover For: • PB-20/40/60TE • PB-30/60/100TK		BR-5 Reflector For: • PR-5B • PR-4RNS • PR-4RTNS		SEC Circuit Environmental For: • PH-200SE/600SE

BEAM ACCESSORIES

	BP-50X Pole cover For: • PXB-50/100/200HF • PXB-50/100/200F • TXF-125E/DM • PXB-100ATC • PXB-100SW • BUS-50/100/200XF		BP-200F Pole cover For: • PB-IN-50/100/200HFA • PB-50/100/200FA • PB-IN-100AT		BU-50F Flush mount housing For: • PB-IN-50/100/200HFA • PB-50/100/200FA • PB-IN-100AT
	BS-50XP Pole side cover For: • PXB-50/100/200HF • PXB-50/100/200F • PXB-100ATC • PXB-100SW • BUS-50/100/200XF		BS-50F Pole side cover For: • PB-IN-50/100/200HFA • PB-50/100/200FA • PB-IN-100AT		ER-02 Wireless alignment checker For: • PXB-50/100/200HF • PXB-50/100/200F • TXF-125E/DM • PXB-100ATC • PXB-100SW • BUS-50/100/200XF
	HTF-24AE 24VDC Heater kit For: • PXB-50/100/200HF • PXB-50/100/200F • PXB-100ATC • BUS-50/100/200XF		HTF-24E 24VDC Heater kit For: • PB-IN-50/100/200HFA • PB-50/100/200FA • PB-IN-100AT		KP-100 KP-150 Pole For: • 1m/1.5m

MW-50L	MW-50H
50m (165ft) outdoor	



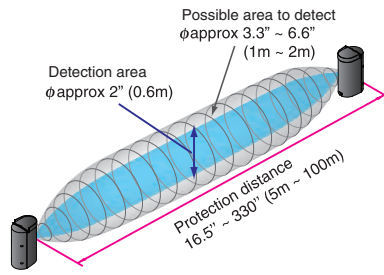
FEATURES

- High immunity against hazardous weather such as heavy fog, snowfall or rain.
- 2 frequencies (H) and (L) available
- Monitor output
- Adjustment mode switch

Detection System	Microwave 24.12GHz (MW-50L) Microwave 24.17GHz (MW-50H)
Alarm Output	Dry contact relay output: form C 30V (AC/DC) 0.25A Max
Supply Voltage	12 to 30V DC
Current Consumption	100mA
Features	Response time adjustment Automatic gain control circuit
Optional	Pole cover (BP-50MW)
External Dimensions - WHD	112 x 240 x 101mm (4.39 x 9.43 x 3.98")
Weight - TR/RE	800g (28.0oz) / 850g (29.8oz)



MW-100AL	MW-100AH
100m (330ft) outdoor	



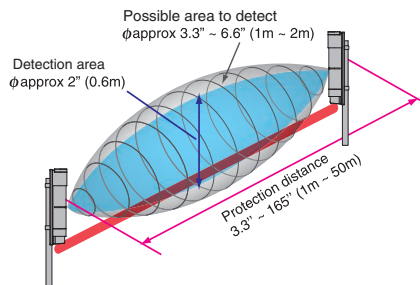
FEATURES

- High immunity against hazardous weather such as heavy fog, snowfall or rain.
- 2 frequencies (H) and (L) available
- Monitor output
- Adjustment mode switch

Detection System	Microwave 24.12GHz (MW-100AL) Microwave 24.17GHz (MW-100AH)
Alarm Output	Dry contact relay output: form C 30V (AC/DC) 0.25A Max
Supply Voltage	12 to 28V DC
Current Consumption	100mA
Features	Response time adjustment Automatic gain control circuit
Optional	Pole cover (BP-100MW)
External Dimensions - WHD	130 x 307 x 126mm (5.12 x 12.09 x 4.96")
Weight - TR/RE	1.1kg (36.8oz) / 1.1kg (38.5oz)



COM-50XTL *	COM-50XTH
50m (165ft) outdoor	



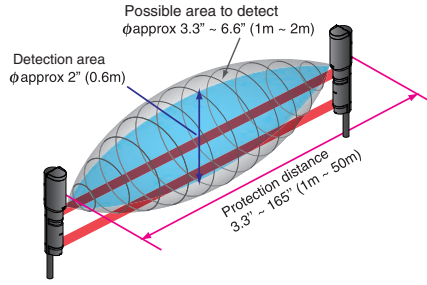
FEATURES

- Combination of photoelectric beam sensor and microwave sensor
- Dual alarm output selectable
- High immunity against hazardous weather such as heavy fog, snowfall or rain
- 2 frequencies (H) and (L) available for microwave
- 4 selectable beam channels for photoelectric beam
- Easier height adjustment
- Alarm output mode "AND" or "OR" are selectable with switch
- Vivid internal color aids beam alignment procedure.

Detection System	Photoelectric beam + Microwave • Microwave 24.11GHz (COM-50XTL) • Microwave 24.17GHz (COM-50XTH)
Alarm Output	Dry contact relay output: form C Reset time : Detection time + delay time (approx. 2sec) 30V (AC/DC) 0.25A Max
Supply Voltage	12 to 30V DC
Current Consumption	64mA
Features	Alarm output : Transmission power selectable Programmed AGC Auto-gain lock
Ambient temperature	-25°C to 60°C (-13°F to 140°F)
Optional	Pole cover (BP-200X)
External Dimensions - WHD	114 x 450 x 100mm (4.49 x 17.72x 3.94")
Weight - TR/RE	1.6g (56.0oz) / 1.7kg (57.8oz)



COM-IN-50HFL | **COM-IN-50HFH**
 50m (165ft) outdoor

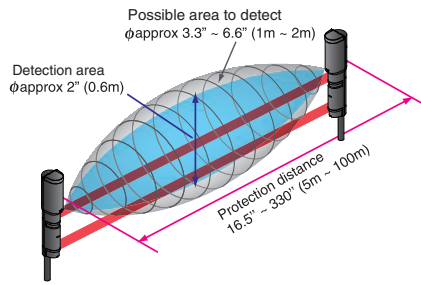


FEATURES

- Combination of photoelectric beam sensor and microwave sensor
- High immunity against hazardous weather such as heavy fog, snowfall or rain
- 2 frequencies (H) and (L) available for microwave
- 4 selectable beam channels for photoelectric beam
- Alarm output mode "AND" or "OR" are selectable with switch

Detection System	Photoelectric beam + Microwave
Alarm Output	Dry contact relay output N.C./N.O. selectable Reset time: Interruption time (Min. 2sec) 30V (AC/DC) 1A Max
Supply Voltage	12 to 30V DC
Current Consumption	165mA
Features	Environmental output Automatic gain control (AGC) Monitor output
Optional	Pole cover (BP-50COM)
External Dimensions - WHD	112 x 635 x 101mm (4.39 x 24.98 x 3.98")
Weight - TR/RE	1.9kg (67.0oz) / 2kg (70.5oz)

COM-IN-100AL | **COM-IN-100AH**
 100m (330ft) outdoor



FEATURES

- Combination of photoelectric beam sensor and microwave sensor
- High immunity against hazardous weather such as heavy fog, snowfall or rain
- 2 frequencies (H) and (L) available for microwave
- 4 selectable beam channels for photoelectric beam
- Alarm output mode "AND" or "OR" are selectable with switch

Detection System	Photoelectric beam + Microwave
Alarm Output	Dry contact relay output N.C./N.O. selectable Reset time: Interruption time (Min. 2sec) 30V (AC/DC) 1A Max
Supply Voltage	12 to 28V DC
Current Consumption	175mA
Features	Environmental output Automatic gain control (AGC) Monitor output
Optional	Pole cover (BP-100COM)
External Dimensions - WHD	130 x 703 x 126mm (5.11 x 27.68 x 4.96")
Weight - TR/RE	2.1kg (72.5oz) / 2.3kg (77.7oz)



BP-50MW
 Pole cover
 For:
 • MW-50



BP-50COM
 Pole cover
 For:
 • COM-IN-50HF



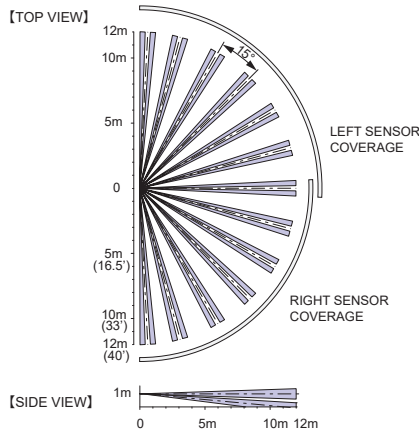
BP-100COM
 Pole cover
 For:
 • COM-IN-100A



BP-50X
 Pole cover
 For:
 • COM-50XT

MX-12FAM

12m(40ft) x 180°



FEATURES

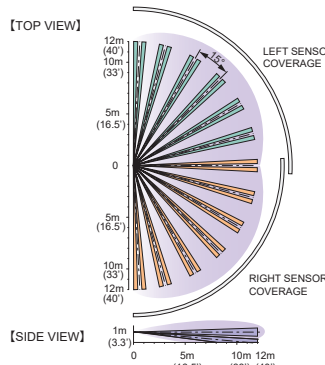
- Dual-zone detection system
- 2 to 12m (6.6 to 40ft) coverage
- Dual alarm signal outputs
- Anti-masking technology with near-lens awareness
- Front and back tampers
- Stowable area masks
- IP55 housing



Detection System	Passive infrared (Twin x 2)
Alarm Output (1)	[RIGHT+LEFT] or [RIGHT] Dry contact relay output N.C./N.O. selectable 30V (AC/DC) 0.2A Max. Detection time (+2sec)
Alarm Output (2)	[LEFT] Dry contact relay output N.C./N.O. selectable 30V (AC/DC) 0.2A Max. Detection time (+2sec)
Trouble Output	[EXTERNAL OUTPUT] Dry contact relay output N.O. 30V (AC/DC) 0.2A Max. Detection time (+30sec. Latch time)
Tamper Output	Dry contact relay output N.C. 30V (AC/DC) 0.1A Max.
Supply Voltage	9 to 28V DC (non-polarity)
Current Consumption	30mA
External Dimensions - WHD	80 x 221 x 82.5mm (3.15 x 8.7 x 3.25")
IP Rating	55
Weight - TR/RE	350g (12.4oz)

MX-12FAMD

12m(40ft) x 180°



FEATURES

- Dual technology (PIR + MW)
- Dual-zone detection system
- 2 to 12m (6.6 to 40ft) coverage
- Dual alarm signal outputs
- Anti-masking technology with near-lens awareness
- Adjustable anti-masking level
- Front and back tampers
- Stowable area masks
- IP55 housing



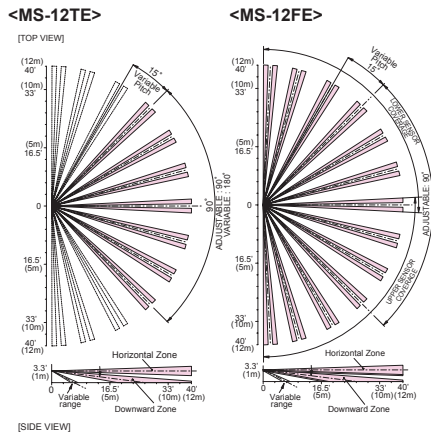
Detection System	Passive infrared & Microwave
MW Frequency/Power	24.15 to 24.25GHz 12.7dBm e.i.r.p.
Alarm Output (1)	[RIGHT+LEFT] or [RIGHT] Dry contact relay output N.C./N.O. selectable 30V (AC/DC) 0.2A Max. Detection time (+2sec)
Alarm Output (2)	[LEFT] Dry contact relay output N.C./N.O. selectable 30V (AC/DC) 0.2A Max. Detection time (+2sec)
Trouble Output	[EXTERNAL OUTPUT] Dry contact relay output N.O. 30V (AC/DC) 0.2A Max. Detection time (+30sec. Latch time)
Tamper Output	Dry contact relay output N.C. 30V (AC/DC) 0.1A Max.
Supply Voltage	9 to 28V DC (non-polarity)
Current Consumption	40mA
External Dimensions - WHD	80 x 221 x 82.5mm (3.15 x 8.7 x 3.25")
IP Rating	55
Weight - TR/RE	400g (14.2oz)

MS-12TE

12m (40ft) x 90°

MS-12FE

12m (40ft) x 180°



FEATURES

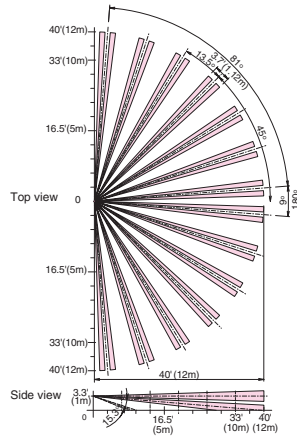
- Dual-zone detection system
- 2 to 12m (6.6 to 40ft) coverage
- Rotating sensor heads (±90° horizontal adjustment)
- AND/OR detection modes (MS-12FE only)
- IP54 housing



Model	MS-12TE	MS-12FE
Detection System	Passive infrared	Twin x 2
Alarm Output	Dry contact relay output: N.C./N.O. selectable 30V (AC/DC) 0.25A Max Reset time: approx 2sec.	
Supply Voltage	12 to 28V DC (non-polarity)	
Current Consumption	35mA	40mA
Ambient Temperature	-20°C to +50°C (-4°F to +122°F)	
Mounting Position	Outdoor, Indoor	
External Dimensions - WHD	80 x 234 x 91mm (3.15 x 9.22 x 3.58")	
IP Rating	54	
Weight	390g (13.8oz)	470g (16.6oz)

OMS-12FE

12m (40ft) x 180°



FEATURES

- Dual-zone detection system
- 3 to 12m (10 to 40ft) coverage
- Fixed sensor heads
- Supplied masking sheets allow precise area control
- Front and back tampers
- IP54 housing



Detection System	Passive infrared (Twin x 2)
Alarm Output	Dry contact relay output N.C./N.O. selectable • Contact capacity: 30V AC/DC 0.2A MAX. (Resistive load) • Contact operation: Detection time (2sec)
Tamper Output	Dry contact relay output N.C. Contact capacity: 30V (AC/DC), 0.1A MAX. (Resistive load)
Supply Voltage	9 to 28V DC (non-polarity)
Current Consumption	20mA
Ambient Temperature	-20°C to +50°C (-4°F to +122°F)
Mounting Position	Outdoor, Indoor
External Dimensions - WHD	94 x 234 x 77.5mm (3.70 x 9.21 x 3.05")
IP Rating	54
Weight	470g (16.6oz)

DUAL-ZONE PIR OUTDOOR
Both a horizontal curtain and a downward curtain need to be activated simultaneously for an alarm. Perfect for use in both domestic and industrial applications.

TX-114TR

12m (40ft) x 90°

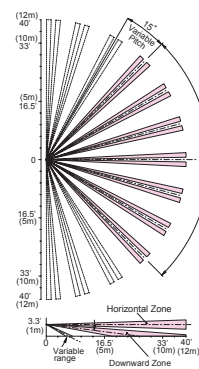
TX-114FR

12m (40ft) x 180°



<TX-114TR>

[TOP VIEW]



[SIDE VIEW]

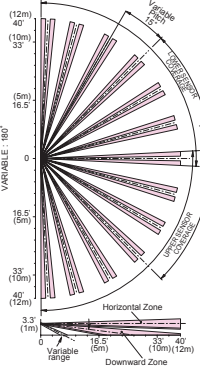


FEATURES

- Dual-zone detection system
- 2 to 12m (6.6 to 40ft) coverage
- Rotating sensor heads (±90° horizontal adjustment)
- Compatible with numerous wireless transmitter units
- Back-box with 3-stage tamper: front, mid, and back
- IP54 housing

<TX-114FR>

[TOP VIEW]



[SIDE VIEW]

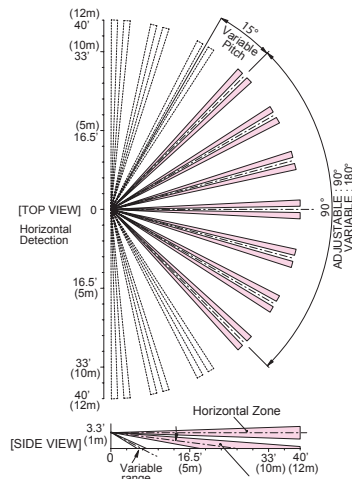


Model	TX-114TR	TX-114FR
Detection System	Passive infrared	
Operation	10VDC - 0.01A Max • Alarm output • Tamper output • Trouble output	
Supply Voltage	3V to 9V DC Alkaline or Lithium Battery	
Current Consumption	25µA	35µA
Ambient Temperature	-4°F to +122°F (-20°C to +50°C)	
Mounting Position	Outdoor, Indoor	
External Dimensions - WHD	91 x 245 x 119.5mm (3.58 x 9.65 x 4.70")	
IP Rating	54	
Weight	560g (19.8oz)	620g (21.9oz)

BATTERY PIR OUTDOOR
These battery powered sensors offer the same levels of protection as our MS-12 family, designed for compatibility with leading wireless systems.

TX-114SR

12m (40ft) x 90°



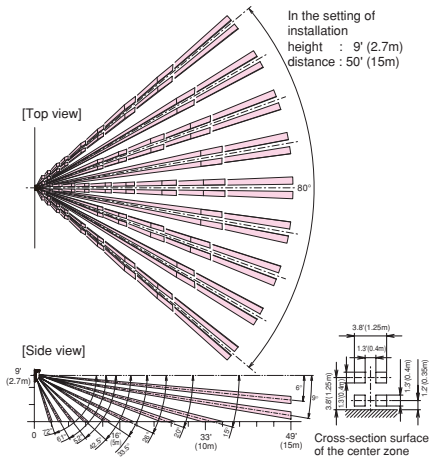
FEATURES

- Dual-zone detection system
- 2 to 12m (6.6 to 40ft) coverage
- Rotating sensor head (±90° horizontal adjustment)
- Compatible with numerous wireless transmitter units
- IP54 housing



Detection System	Passive infrared: Twin
Operation	10VDC - 0.01A Max • Alarm output (Blue wires) • Tamper output (Green wires) • Trouble output
Supply Voltage	3V to 9V DC Alkaline or Lithium Battery
Current Consumption	25µA
Ambient Temperature	-20°C to +50°C (-4°F to +122°F)
Mounting Position	Outdoor, Indoor
External Dimensions - WHD	80 x 234 x 91mm (3.15 x 9.21 x 3.58")
IP Rating	54
Weight	400g (14.1oz)

PIR-T15AM
15m (49ft) x 80°



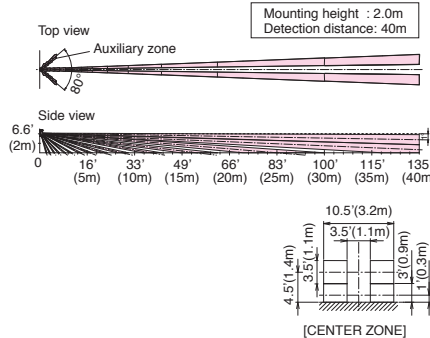
FEATURES

- High performance triple mirror optical system
- Anti-masking function
- 4 operation modes: Low Position, High Position, Pet Mode, High Density
- 2 to 6m (6.6 to 20ft) installation height
- Precise LED detection area adjustment function
- Lightning surge protection
- IP55 housing



Detection System	Passive infrared (Triple mirror)
Alarm Output	Dry contact (semi-conductor) output N.C./N.O. 24V (AC/DC) 0.25A (resistive load)
Supply Voltage	9 to 28V DC (non-polarity)
Current Consumption	50mA
Features	<ul style="list-style-type: none"> • External output • Low voltage monitoring • Back tamper • Anti-masking
Ambient Temperature	-25°C to +55°C (-13°F to +131°F)
Mounting Position	Outdoor, Indoor
External Dimensions - WHD	114 x 285.5 x 119.5mm (4.49 x 11.24 x 4.70")
IP Rating	55
Weight	600g (21.2oz)

PIR-T40NAM
45m (148ft) vertical curtain



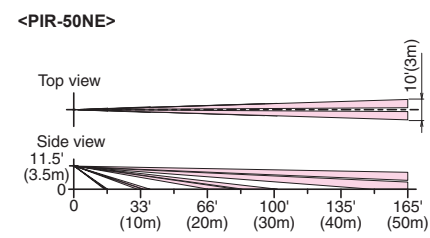
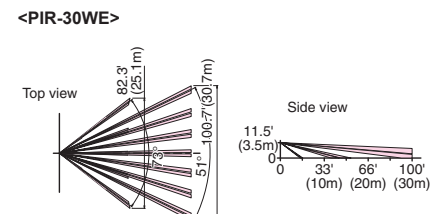
FEATURES

- High performance triple mirror optical system
- Anti-masking function
- 4 operation modes: Low position, Middle position, High position, High density
- 2 to 6m (6.6 to 20ft) installation height
- Precise LED detection area adjustment function
- Lightning surge protection
- IP55 housing



Detection System	Passive infrared (Triple mirror)
Alarm Output	Dry contact (semi-conductor) output N.C./N.O. selectable 24V (AC/DC) 0.25A (resistive load)
Supply Voltage	9 to 28V DC (non-polarity)
Current Consumption	50mA
Features	<ul style="list-style-type: none"> • External output • Low voltage monitoring • Back tamper • Anti-masking
Ambient Temperature	-25°C to +55°C (-13°F to +131°F)
Mounting Position	Outdoor, Indoor
External Dimensions - WHD	114 x 285.5 x 119.5mm (4.49 x 11.24 x 4.70")
IP Rating	55
Weight	600g (21.2oz)

PIR-30WE **PIR-50NE**
30m (100ft) wide angle 50m (165ft) vertical curtain



FEATURES

- High quality mirrored optics coupled with twin pyros
- Installation height 2 to 3.5m (6.6 to 11.5ft)
- Durable weatherproof AES resin housing
- Protective hood to deflect rain/sunlight and guard against wildlife



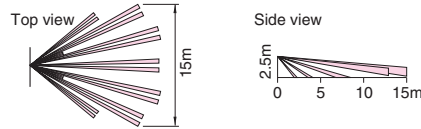
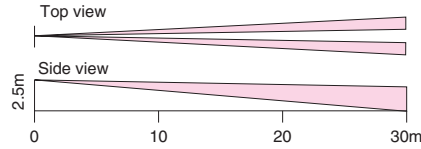
Detection System	Passive infrared
Alarm Output	Dry contact (semi-conductor) output: N.C./N.O. 24V (AC/DC) 0.25A (resistive load)
Supply Voltage	9 to 30V DC (non-polarity)
Current Consumption	35mA
Features	<ul style="list-style-type: none"> • Low supply voltage alarm • Tamper signal • LED control (L/C) • Alarm LED (ON/OFF) • Sensitivity adjust: 30-170%
Ambient Temperature	-20°C to +50°C (-4°F to +122°F)
Mounting Position	Outdoor, Indoor
External Dimensions	184.5 dia. x 136mm (7.26 dia. x 5.36")
IP Rating	55
Weight	1.6kg (3.5lb)

PA-15WE

15m (50ft) wide angle

PA-30NE

30m (100ft) long range

**<PA-15WE>****<PA-30NE>****FEATURES**

- Omni-directional bracket
- Can be mounted to ceiling, wall or pole
- Easy angle adjustment
- Weather resistant for indoor or outdoor use

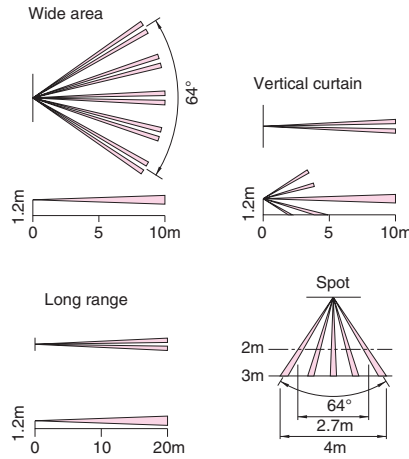
Detection System	Passive infrared (Twin)
Alarm Output	Dry contact relay output: form C Reset time: approx 2sec. 30V (AC/DC) 0.5A Max
Supply Voltage	10.5 to 30V DC (non-polarity)
Current Consumption	25mA
Ambient Temperature	-20°C to +50°C (-4°F to +122°F)
Mounting Position	Outdoor, Indoor
Optional	Pole attachment, Vice attachment
External Dimensions	402 x 112 dia. (15.83 x 4.41" dia.)
Weight	500g (17.6oz)



MEDIUM RANGE PIR OUTDOOR
For internal and external applications and featuring a unique bracket arrangement that allows for wall or ceiling mounting, orientated in any direction.

MS-100E

10m (33ft) wide / 10m (33ft) curtain / 20m (66ft) long

**FEATURES**

- Supplied with Wide Angle and Long Range lenses
- Choose from 4 detection patterns
- Can be mounted horizontally or vertically
- Sensor head rotates a full 180 degrees
- Weather resistant for indoor or outdoor use

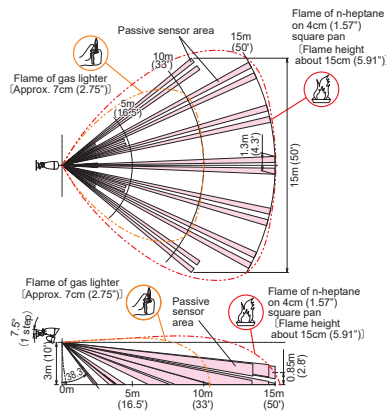


MULTI-PATTERN PIR OUTDOOR
MS-100E offers the choice of wide angle, vertical and horizontal curtain, or long range detection from within a single discreet housing.

Detection System	Passive infrared (Twin)
Alarm Output	Dry contact relay output: N.C./N.O. selectable Reset time: approx 2sec. 30V (AC/DC) 0.5A Max
Supply Voltage	10.5 to 28V DC (non-polarity)
Current Consumption	30mA
Detection Area	Wide angle: 10m (33ft) Vertical curtain: 10m (33ft) Long range: 20m (66ft) Spot: 3m (10ft)
Ambient Temperature	-20°C to +50°C (-4°F to +122°F)
Mounting Position	Outdoor, Indoor
Optional	Pole cover, Pole attachment, Wall mount bracket, Wall / Ceiling attachment, Magnetic sheet.
External Dimensions - WHD	77 x 171 x 70mm (3.03 x 6.73 x 2.76")
Weight	220g (7.8oz)

FP-5500E

10m (33ft) / 7cm (2.75") flame

**FEATURES**

- Two output modes selectable
- Forced output operation
- Alarm memory
- Operation set-up by detection timer (Flame)

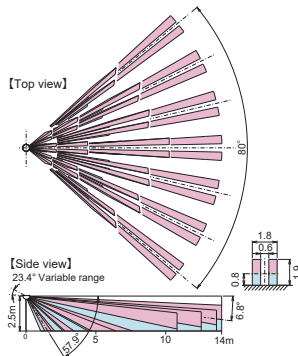


OUTDOOR FLAME PASSIVE SENSOR
Ideal combination sensor to minimize nuisance alarm.

Detection System	Ultraviolet rays detection + Passive infrared
Detection Distance	Flame sensor part : 7cm (2.75") lighter flame at 10m (33ft) Passive sensor part : 15m (49ft) wide angle
Alarm Output	2 x Dry contact relay (N.C./N.O. selectable) (1 x Flame sensor, 1 x Passive sensor) 30V (AC/DC) 0.25A Max.
Supply Voltage	10 to 30V AC/DC (non-polarity)
Current Consumption	25mA Max.
Ambient Temperature	-20°C to +50°C (-4°F to +122°F)
Mounting Position	Outdoor, Indoor
External Dimensions - WHD	104 x 157 x 249mm (4.09 x 6.18 x 9.80")
Weight - TR/RE	550g (19.4oz)

PA-6614E

14m (46ft) wide angle



FEATURES

- Unique twin mirror and two pyro system reinforced by next generation signal processing
- Up to 6m (19ft) installation height
- Ceiling mount design
- Accurately detects human intrusion whilst rejecting nuisance alarms from small animals
- Geared mirror array for precise area definition
- Detachable base unit with snap-in/out sensor design



Detection System	Passive infrared (Twin x 2)
Alarm Output	Dry contact (Semi-conductor) relay output N.C./N.O. selectable Reset time : 2sec. 24V (AC/DC) 0.25A Max.
Supply Voltage	7 to 30V DC (non-polarity)
Current Consumption	8mA
Features	<ul style="list-style-type: none"> • Self-diagnosis • Temperature compensation
Ambient Temperature	-15°C to +55°C (-5° F to +131° F)
Mounting Position	Indoor
Optional	Ceiling/wall mount attachment
External Dimensions - WH	120 dia x 55 mm (4.72 dia x 2.16")
Weight - TR/RE	120g (4.23oz)

PA-6805E

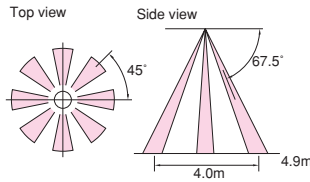
4m (13ft) spot

PA-6810E

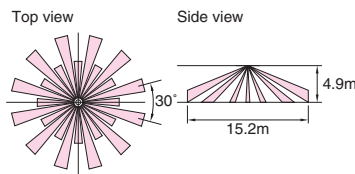
15m (50ft) x 360°



<PA-6805E>



<PA-6810E>



FEATURES

- 2 to 5m (6.6 to 16.5ft) installation height
- Ceiling mount design
- Detachable base unit with snap-in/out sensor design
- Slim and compact 47mm (1.85") profile



Detection System	Passive infrared (Twin)
Alarm Output	Dry contact (Semi-conductor) output: N.C./N.O. selectable Reset time: approx. 2sec. 24V (AC/DC) 0.25A Max
Supply Voltage	7 to 28V DC (non-polarity)
Current Consumption	11mA
Features	<ul style="list-style-type: none"> • Alarm LED control • Pulse count
Ambient Temperature	-15°C to +55°C (+5°F to +131°F)
Mounting Position	Indoor
Optional	Ceiling / wall mount attachment
External Dimensions	120 dia. x 47mm (4.72 dia. x 1.85")
Weight	110g (3.9oz)

PA-6812E

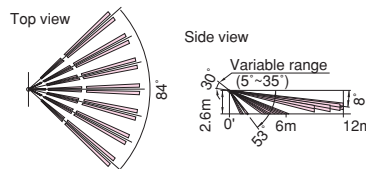
12m (40ft) wide angle

PA-6820E

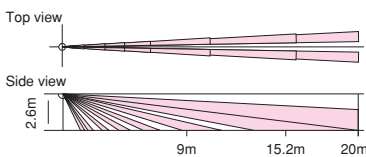
20m (66ft) vertical curtain



<PA-6812E>



<PA-6820E>



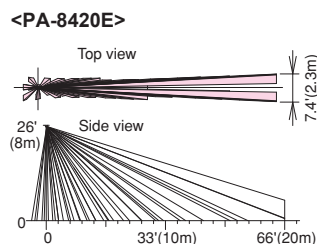
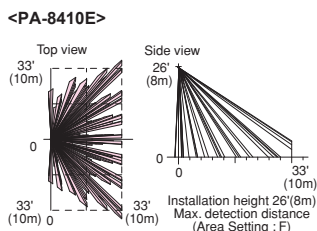
FEATURES

- 2 to 5m (6.6 to 16.5ft) installation height
- Ceiling mount design
- Geared mirror array for precise area definition
- Detachable base unit with snap-in/out sensor design
- Slim and compact 47mm (1.85") profile



Detection System	Passive infrared (Twin)
Alarm Output	Dry contact (Semi-conductor) output: N.C./N.O. selectable Reset time: approx. 2sec. 24V (AC/DC) 0.25A Max
Supply Voltage	7 to 28V DC (non-polarity)
Current Consumption	11mA
Features	<ul style="list-style-type: none"> • Alarm LED control • Pulse count (PA-6812E only)
Ambient Temperature	-15°C to +55°C (+5°F to +131°F)
Mounting Position	Indoor
Optional	Ceiling / wall mount attachment
External Dimensions	120 dia. x 47mm (4.72 dia. x 1.85")
Weight	110g (3.9oz)

PA-8410E	PA-8420E
10m (33ft) wide angle	20m (66ft) vertical curtain



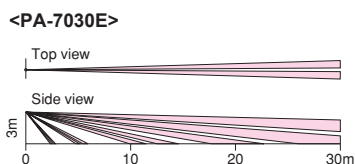
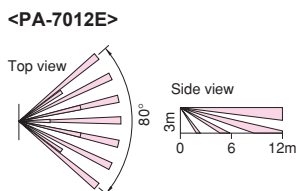
FEATURES

- 4 to 8m (13 to 26ft) installation height
- Ceiling mount design
- High-density detection area
- Mirror optics
- Durable weatherproof AES resin housing
- Photo MOSFET relay for silent operation

Detection System	Passive infrared (Twin x 4)
Alarm Output	Dry contact (semi-conductor) output: N.C./N.O. 24V (AC/DC) 0.25A (resistive load)
Supply Voltage	9 to 30V DC (non-polarity)
Current Consumption	30mA
Features	<ul style="list-style-type: none"> • Trouble alarm • Low supply voltage alarm • Tamper output • LED control • Area control • Alarm LED (ON/OFF) • Sensitivity adjust
Ambient Temperature	-20°C to +50°C (-4°F to +122°F)
Mounting Position	Outdoor, Indoor
External Dimensions	184.5 dia. x 136mm (7.26 dia. x 5.36")
IP Rating	55
Weight	950g (33.5oz)



PA-7012E	PA-7030E
12m (40ft) wide angle	30m (100ft) vertical curtain



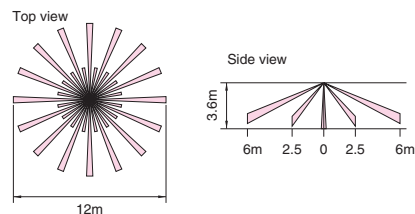
FEATURES

- Dual element digital-quad sensor
- Ceiling mount design
- Original CPU architecture controls all functions including signal processing calculations
- Automatic sensitivity adjustment relative to ambient temperature
- Alarm memory function
- High RFI and EMI immunity
- Convenient twist-lock base for easy installation

Detection System	Passive infrared (Quad)
Alarm Output	Dry contact relay output: form C Reset time: approx. 2sec. 30V (AC/DC) 0.1A Max
Supply Voltage	9 to 18V DC (non-polarity)
Current Consumption	30mA
Ambient Temperature	-10°C to +50°C (+14°F to +122°F)
Mounting Position	Indoor
Optional	Flush mount attachment
External Dimensions	144 dia. x 92mm (5.67 dia. x 3.62")
Weight	330g (11.6oz)



PA-7100E
12m (40ft) x 360°



FEATURES

- Two dual element digital-quad sensors
- Ceiling mount design
- Original CPU architecture controls all functions including signal processing calculations
- Automatic sensitivity adjustment relative to ambient temperature
- Alarm memory function
- High RFI and EMI immunity
- Convenient twist-lock base for easy installation

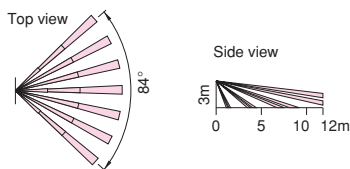
Detection System	Passive infrared (Quad x 2)
Alarm Output	Dry contact relay output: form C Reset time: approx. 2sec. 30V (AC/DC) 0.1A Max
Supply Voltage	9 to 18V DC (non-polarity)
Current Consumption	30mA
Ambient Temperature	-10°C to +50°C (+14°F to +122°F)
Mounting Position	Indoor
Optional	Flush mount attachment
External Dimensions	144 dia. x 92mm (5.67 dia. x 3.62")
Weight	330g (11.6oz)



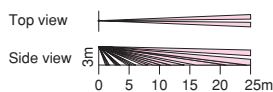
PA-5312E	PA-5325E
12m (40ft) wide angle	25m (82ft) vertical curtain



<PA-5312E>



<PA-5325E>



FEATURES

- Quad PIR detector
- Ceiling mount design
- High performance dual twin element optical unit
- Original CPU architecture controls all functions including signal processing calculations
- Slight motion detection with selectable twin/quad sensing
- Built-in alarm memory

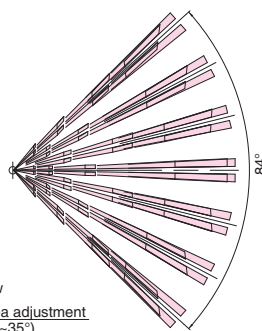
Detection System	Passive infrared (Quad)
Alarm Output	Dry contact relay output: N.C./N.O. selectable Reset time: approx. 2sec. 30V (AC/DC) 0.25A Max
Supply Voltage	9.5V to 30V DC (non-polarity)
Current Consumption	25mA
Features	<ul style="list-style-type: none"> • Fuzzy Logic • Trouble Output • Malfunction of equipment • Low voltage alarm • Monitoring failure to replace view finder • Alarm contact self-check
Ambient Temperature	-10°C to +55°C (+14°F to +131°F)
Mounting Position	Indoor
Optional	Flush mount attachment, Level checker
External Dimensions	147.3 dia. x 64mm (5.80 dia. x 2.50")
Weight	250g (8.8oz)



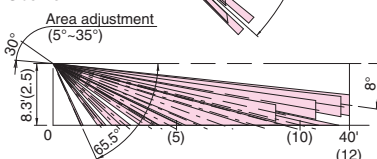
PA-6412PI
12m (40ft) wide angle



Top view



Side view



FEATURES

- 18kg (39.7lb) pet immunity
- Ceiling mount design
- Multiple zone technology
- Mirror optics
- Photo MOSFET relay for silent operation

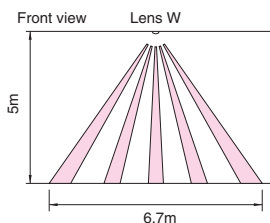
Detection System	Passive infrared (Twin)
Alarm Output	Dry contact (Semi-conductor) relay output: N.C./N.O. selectable Reset time: approx. 2sec. 24V (AC/DC) 0.25A Max
Supply Voltage	10 to 18VDC (non-polarity)
Current Consumption	25mA
Features	<ul style="list-style-type: none"> • Pulse count • LED disable switch • Low voltage alarm
Ambient Temperature	-15°C to +55°C (+5°F to +131°F)
Mounting Position	Indoor
Optional	Ceiling / wall mount attachment
External Dimensions	147 dia. x 60mm (5.79 dia. x 2.36")
Weight	160g (5.6oz)



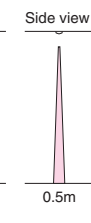
PA-370
6.7m (22ft) wide / narrow curtain



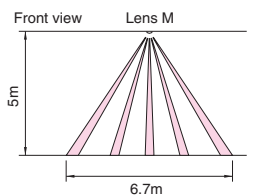
Front view



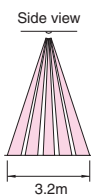
Side view



Front view



Side view



FEATURES

- Up to 5m mounting height
- Ceiling mount design
- Interchangeable lenses (W, M)

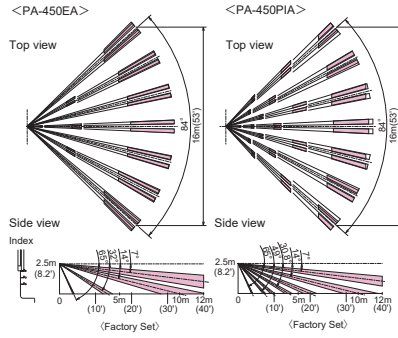
Detection System	Passive infrared (Twin)
Alarm Output	Dry contact (semi-conductor) relay output: N.C./N.O. selectable Reset time: 2sec. 24V (AC/DC) 0.25A Max
Supply Voltage	9 to 28V DC (non-polarity)
Current Consumption	25mA
Features	<ul style="list-style-type: none"> • Pulse count • LED disable switch • Low voltage alarm • Auto reset memory
Ambient Temperature	-10°C to +50°C (+14°F to +122°F)
Mounting Position	Indoor
Optional	Ceiling / wall mount attachment, Line protection lens
External Dimensions	120 dia. x 45mm (4.72 dia. x 1.85")
Weight	120g (4.2oz)



PA-450EA

PA-450PIA

12m (40ft) wide angle



FEATURES

- Wall mount design
- Adjustable coverage to suit different mounting heights
- Creep zone eliminates dead-space below sensor
- Equipped with tamper and auto-reset memory
- Mode selector for easy setting adjustment
- Photo MOSFET relay for silent operation
- 20kg (44.1lb) pet immunity (PA-450PIA)

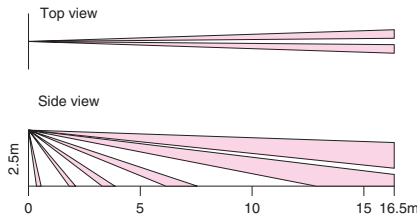
Detection System	Passive infrared (Twin)
Alarm Output	Dry contact (semi-conductor) relay output: N.C./N.O. selectable Reset time: 2sec. 24V (AC/DC) 0.25A Max
Supply Voltage	7 to 28V DC (non-polarity)
Current Consumption	8mA
Features	<ul style="list-style-type: none"> • Pulse count • LED disable switch
Ambient Temperature	-15°C to +55°C (+5°F to +131°F)
Mounting Position	Indoor
Optional	Ceiling / wall mount attachment
External Dimensions - WHD	70 x 110 x 45mm (2.76 x 4.33 x 1.77")
Weight	90g (3.2oz)



WALL MOUNT PIR INDOOR
With unsurpassed immunity to PFI, power line noise, static etc. these sensors are designed for a market demanding quality and reliability.

PA-460EA

18m (60ft) vertical curtain



FEATURES

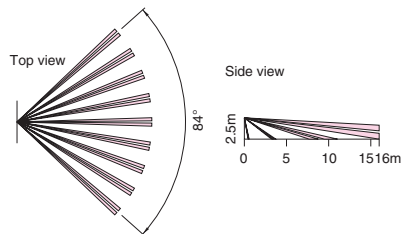
- Wall mount design
- Adjustable coverage to suit different mounting heights
- Creep zone eliminates dead-space below sensor
- Equipped with tamper and auto-reset memory
- Mode selector for easy setting adjustment
- Photo MOSFET relay for silent operation

Detection System	Passive infrared (Twin)
Alarm Output	Dry contact (semi-conductor) relay output: N.C./N.O. selectable Reset time: 2sec. 24V (AC/DC) 0.25A Max
Supply Voltage	7 to 28V DC (non-polarity)
Current Consumption	8mA
Features	<ul style="list-style-type: none"> • LED disable switch • Low voltage alarm
Ambient Temperature	-15°C to +55°C (+5°F to +131°F)
Mounting Position	Wall, Wall Corner (Indoor)
Optional	Ceiling / wall mount attachment
External Dimensions - WHD	70 x 110 x 45mm (2.76 x 4.33 x 1.77")
Weight	90g (3.2oz)



PA-470L

16m (52ft) wide angle / 20m (66ft) long range



FEATURES

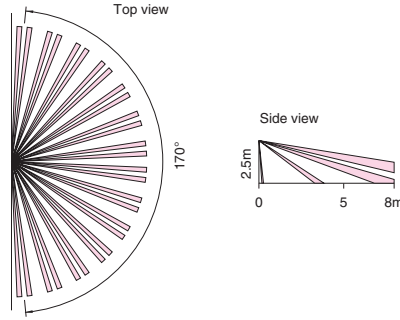
- Wall mount design
- Quad element with fuzzy logic processing system
- Pattern selectable with interchangeable lenses
- Low voltage trouble output
- Alarm memory function

Detection System	Passive infrared (Quad)
Alarm Output	Dry contact relay output: N.C./N.O. selectable Reset time: approx. 2sec. 30VDC (24VAC) 0.25A Max
Supply Voltage	9.5 to 28V DC (non-polarity)
Current Consumption	25mA
Features	<ul style="list-style-type: none"> • Memory control • LED control
Ambient Temperature	-10°C to +50°C (+14°F to +122°F)
Mounting Position	Wall, Wall Corner (Indoor)
Optional	Ceiling, wall mount attachment
External Dimensions - WHD	90 x 127 x 62.5mm (3.54 x 5.00 x 2.46")
Weight	165g (5.8oz)



PA-480S

8m (26ft) x 180°



FEATURES

- Wall mount design
- Twin element with pulse count
- Low voltage trouble output
- Alarm memory function

Detection System	Passive infrared (Twin)
Alarm Output	Dry contact relay output: N.C. Reset time: approx. 2sec. 30V DC (24VAC) 0.25A Max.
Supply Voltage	9.5 to 28V DC (non-polarity)
Current Consumption	20mA
Features	• Area adjustment (downward 5 positions)
Ambient Temperature	-10°C to +50°C (+14°F to +122°F)
Mounting Position	Wall, Wall Corner (Indoor)
Optional	Ceiling / wall mount attachment
External Dimensions - WHD	90 x 127 x 62.5mm (3.54 x 5.00 x 2.46")
Weight	165g (5.8oz)

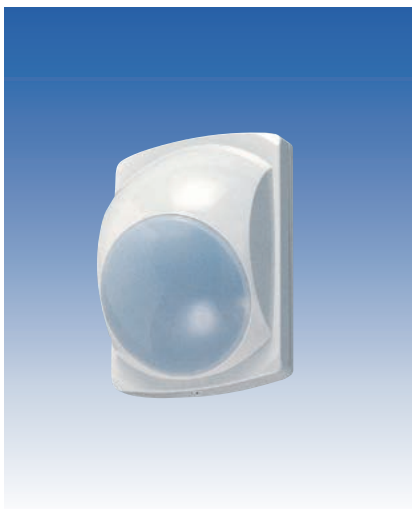


PA-4810E

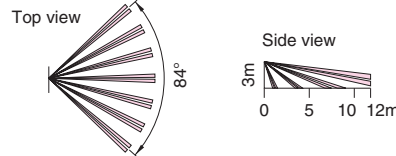
12m (40ft) wide angle

PA-4820E

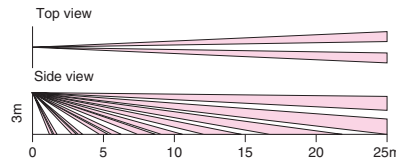
25m (82ft) vertical curtain



<PA-4810E>



<PA-4820E>



FEATURES

- Wall mount design
- Quad element with fuzzy logic processing system
- Mirror optics
- Slight motion detection with selectable twin/quad sensing
- Low voltage trouble output
- Alarm memory function

Detection System	Passive infrared (Quad)
Alarm Output	Dry contact relay output: N.C./N.O. selectable Reset time: approx. 2sec. 30V DC (24VAC) 0.25A Max
Supply Voltage	9.5 to 28V DC (non-polarity)
Current Consumption	25mA
Features	• Slight motion detection • Memory control LED control • Trouble alarm
Ambient Temperature	-10°C to +50°C (+14°F to +122°F)
Mounting Position	Wall, Wall Corner (Indoor)
Optional	Ceiling / wall mount attachment
External Dimensions - WHD	90 x 127 x 60mm (3.54 x 5.00 x 2.36")
Weight	165g (5.8oz)

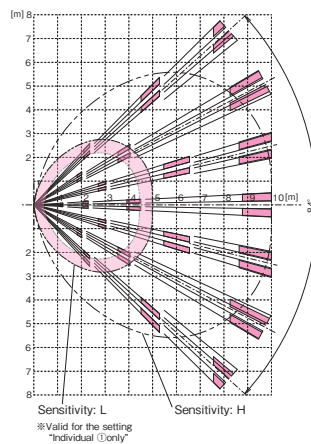


FP-2500E

10m (33ft) / 7cm (2.75") flame



Wide Angle



FEATURES

- Two output modes selectable
- Forced output operation
- Alarm memory
- Pet immunity (Passive sensor)
- Area adjustment (Passive sensor)
- Operation set-up by detection timer (Flame sensor)



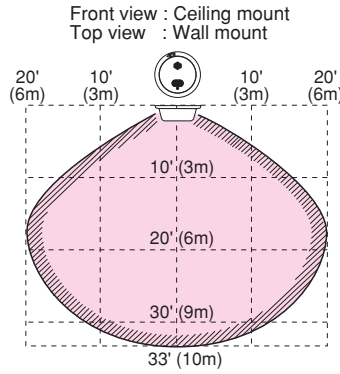
Detection System	Ultraviolet rays detection + Passive infrared
Detection Distance	• Flame sensor part : 7cm (2.75") lighter flame at 10m (33ft) • Passive sensor part : 10m (33ft) wide angle
Alarm Output	2 x Dry contact relay (N.C./N.O. selectable) (1 x Flame sensor, 1 x Passive sensor) 30V (AC/DC) 0.25A Max.
Supply Voltage	10 to 30V DC (non-polarity)
Current Consumption	20mA Max.
Ambient Temperature	-15°C to +55°C (-5° F to +131° F)
Mounting Position	Indoor
Optional	Ceiling/wall mount attachment
External Dimensions - WHD	70 x 110 x 55 mm (2.70 x 4.33 x 2.17")
Weight	120g (4.23oz)

	<p>BCW-401 Ceiling/wall attachment For: • MS-100E + BW-14</p>		<p>BL-8400 Wall mount attachment For: • PIR-30WE/50NE • PA-8410/8420E</p>		<p>BP-01 Pole attachment (Pole dia. 48mm) For: • PA-15WE/30NE</p>
	<p>BP-02 Pole attachment (Pole dia. 40-140mm) For: • PIR-T15AM/T40NAM • PA-15WE/30NE</p>		<p>BP-03 Pole attachment (Pole dia. 38-140mm) For: • PIR-30WE/50NE • PA-8410E/8420E</p>		<p>BP-11 Pole cover For: • MS-100E</p>
	<p>BP-12 Pole attachment kit (Pole dia. 42-49mm) For: • MS-100E</p>		<p>BP-22 Pole attachment kit (Pole dia. 42-49mm) For: • MS-12TE/FE • TX-114SR</p>		<p>BP-32 Pole attachment clamps (Pole dia. 38-45mm) For: • OMS-12FE • TX-114TR/FR • PIR-T15AM/T40NAM • MX-12FAM/FAMD</p>

	<p>BR-M5 Magnetic sheet For: • MS-100E + BW-14</p>		<p>BV-03 Vice attachment For: • PA-15WE/PA-30NE</p>		<p>BW-14 Wall mount bracket For: • MS-100E</p>
	<p>BW-24 Wall mount bracket For: • MS-12TE/FE • TX-114SR</p>		<p>KP-32 Ceiling attachment For: • PIR-T15AM/T40NAM + BP-22F</p>		<p>MS-LENS-WHITE White lens For: • MS-12TE/FE • TX-114FR/TR • TX-114SR</p>
	<p>WO-3D Wall bracket For: • PIR-30WE/50NE + BL-8400</p>				

	<p>BCW-401 Ceiling/Wall attachment For: • PA-450EA/450PIA/460EA • PA-6614E • PA-6805/6810/6812/6820E • FS-1000E/2000E/3500E</p>		<p>BL-5000 Wall mount attachment For: • PA-6614E • PA-6805/6810/6812/6820E • PA7012/7030/7100E • PA-5312/5325E • PA-6412PI</p>		<p>BU-5300/6800/7000 Flush mount attachment For: • PA-5312/5325E • PA-6805/6810/6812/6820E • PA7012/7030/7100E</p>
	<p>BU-8400 Embedding attachment For: • PA-8410/8420E</p>		<p>BP-150AE Anti-masking base For: • PA-6614E • PA-6805/6810/6812/6820E • FS-2000E</p>		

FS-1000E
10m (33ft) / 7cm (2.75") flame



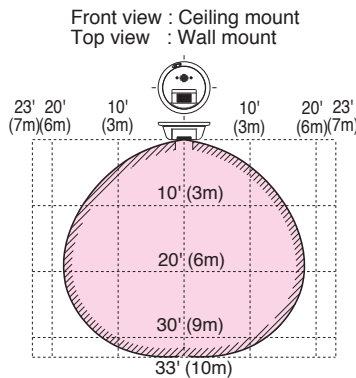
FEATURES

- High sensitivity ultraviolet flame sensor
- Built-in sounder
- Adjustable response time
- Battery or DC operation



Detection System	Ultraviolet rays detection
Detection Distance	7cm (2.75") gas/lighter flame at 10m (33ft)
Alarm Output	Open collector (semi-conductor) output N.O. 30V DC • 50mA Max Delay time (approx. 10sec)
Supply Voltage	Type AA Alkaline battery (LR-6) x 2 (not included) External wiring 9 to 30V DC
Current Consumption	50mA
Ambient Temperature	-10°C to 60°C (+14°F to 140°F)
Mounting Position	Ceiling, wall (indoor)
Optional	Ceiling/wall mount attachment
External Dimensions	120 dia x 40mm (4.72" dia x 1.57")
Weight	200g (7.05oz)

FS-2000E
10m (33ft) / 7cm (2.75") flame



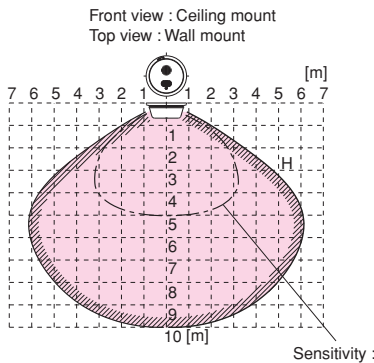
FEATURES

- High sensitivity ultraviolet flame sensor
- Adjustable detection area
- Built-in sounder
- Adjustable response time



Detection System	Ultraviolet rays detection
Detection Distance	7cm (2.75") gas/lighter flame at 10m (33ft)
Alarm Output	Dry contact relay output: form C Contact action time Min. 2sec. Contact capacity: 30V (AC/DC) 0.3A
Supply Voltage	10 to 30V DC (non-polarity)
Current Consumption	Stand-by: 25mA or less Alarm: 75mA or less with buzzer 40mA or less without buzzer
Ambient Temperature	-10°C to 60°C (+14°F to 140°F)
Mounting Position	Ceiling, wall (indoor)
Optional	Ceiling/wall mount attachment
External Dimensions	120 dia x 40mm (4.72" dia x 1.57")
Weight	150g (5.29oz)

FS-3500E
10m (33ft) / 7cm (2.75") flame



FEATURES

- High sensitivity ultraviolet flame sensor
- Prerecorded flame prohibition and non-smoking messages
- Choose between long and short message options
- English, Spanish, Japanese, Chinese, Korean languages message
- 80dB/1m (3.3ft) max
- Adjustable response time
- Battery or DC operation



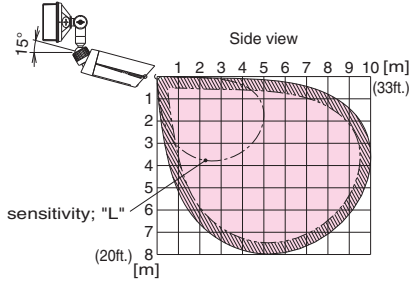
Detection System	Ultraviolet rays detection
Detection Distance	7cm (2.75") gas/lighter flame at 10m (33ft)
Alarm Output	Relay contact output N.C./N.O. Detection time plus 2 sec. Output 30V DC 0.1 A
Supply Voltage	Type AA Alkaline battery (LR6) x 2 (not included) External wiring 10 to 30V DC (Polarized)
Current Consumption	Stand by: 9mA or less Alarm: 220mA or less
Warning Message	"Japanese" "English" "Chinese" "Korean" "Spanish"
Mounting Position	Ceiling, wall (indoor)
Optional	Ceiling/wall mount attachment
External Dimensions	120 dia. x 45mm (4.72" dia. x 1.77")
Weight	180g (6.35oz) (battery excluded)

FS-5000E

10m (33ft) / 7cm (2.75") flame



OUTDOOR FLAME SENSORS
Our UV Flame sensors can be used outdoor, mountable on the wall or ceiling, with an effective 10m range, and N.O. contacts to connect to ancillary equipment.



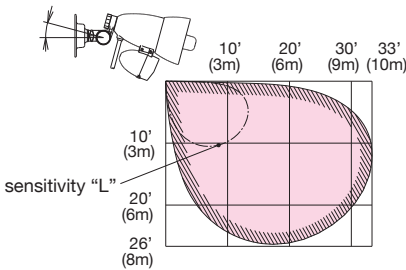
FEATURES

- High sensitivity ultraviolet flame sensor
- Omni-directional bracket
- Weather proof housing for indoor or outdoor use
- Adjustable response time
- DAY/NIGHT Sensing

Detection System	Ultraviolet rays detection
Detection Distance	7cm (2.75") gas/lighter flame at 10m (33ft)
Alarm Output	Dry contact relay: form C Contact capacity: 30V (AC/DC) 0.5A or less
Supply Voltage	10 to 30V DC (non-polarity)
Current Consumption	35mA or less
Ambient Temperature	-20°C to +50°C (-4°F to +122°F)
Mounting Position	Outdoor, Indoor
External Dimensions	402 x 112 dia. (15.83" x 4.41" dia.)
Weight	550g (19.4oz)

FS-6000E

10m (33ft) / 7cm (2.75") flame



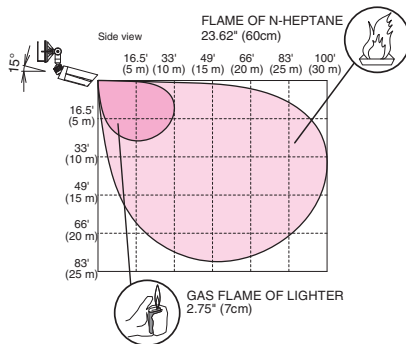
FEATURES

- High sensitivity ultraviolet flame sensor
- Prerecorded flame prohibition message
- English, Spanish, French & Italian languages
- 80dM/1m (3.3ft) max
- Form C relay output
- Adjustable response time

Detection System	Ultraviolet rays detection
Detection Distance	7cm (2.75") gas/lighter flame at 10m (33ft)
Alarm Output	Dry contact relay Form C Contact capacity: 30V (AC/DC) 0.5A or less
Supply Voltage	12V DC (Non-polarity)
Current Consumption	35m standby, 500mA max.
Ambient Temperature	-20°C to +50°C (-4°F to +122°F)
Mounting Position	Outdoor, Indoor
External Dimensions - WHD	115 x 172 x 289 (4.52 x 6.77 x 11.38")
Weight	1kg (35oz)

TX-124R

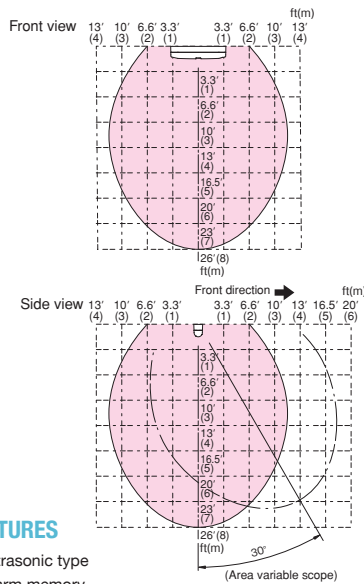
10m (33ft) / 7cm (2.75") flame



FEATURES

- High sensitivity ultraviolet flame sensor
- Powered by DC3V (CR-123A) battery
- Compatible with leading wireless transmitter models
- H/L sensitivity settings and 4-stage detection timer
- Omni-directional bracket
- Weather proof housing for indoor or outdoor use
- Adjustable response time

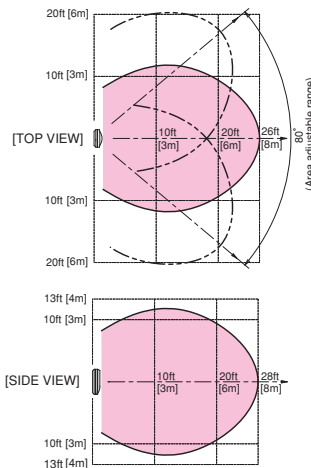
Detection System	Ultraviolet rays detection
Alarm Output	(Blue/White wires) Solid State Switch N.C 3VDC • 0.01A Max Output when detecting Ultraviolet, Real time + delay time 2 sec
Detection Distance	7cm (2.75") gas/lighter flame at 10m (33ft) 60cm (23.62") Flame of n-heptane on fire plate 15 x 15cm (5.91 x 5.91") at 30m (100ft) *The flame size is approximate.
Supply Voltage	(Red/Black wires) 3V DC (CR-123A: not included)
Current Consumption	Standby: 55µA Max, Detection: 5mA Max
Ambient temperature	-20°C to +50°C (-4°F to +122°F)
Mounting Position	Outdoor, Indoor
External Dimensions	402 x 112 dia. (15.83" x 4.41" dia.)
Weight	510g (18.0oz)



FEATURES

- Ultrasonic type
- Alarm memory
- Sensitivity adjustment
- Slim and compact design
- Glass checker EG-2000 available (Optional)
- Screw-less terminal block

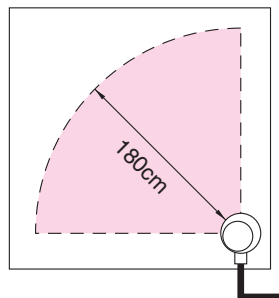
Detection System	Ultrasonic
Alarm Output	Dry contact relay output : N.C./N.O. selectable Reset time: approx. 2sec 30V (AC/DC) 0.25 A Max
Supply Voltage	9 to 28V DC (non-polarity)
Current Consumption	25mA
Ambient Temperature	-10°C to +50°C (+14°F to +122°F)
Mounting Position	Ceiling / Wall (indoor)
External Dimensions -WHD	200x 45 x 32mm (7.87 x 1.77 x 1.26")
Weight	120g (4.23oz)



FEATURES

- Ultrasonic type
- Wall mount design
- Easy installation
- Alarm/environmental LED operation check
- Alarm memory function
- Sensitivity adjustment
- Slim and compact 32mm (1.26") profile
- Glass checker EG-2000 available (Optional)

Detection System	Ultrasonic
Alarm Output	Dry contact relay output: N.C. Reset time: approx. 2sec 30V (AC/DC) 0.1 A Max
Supply Voltage	9 to 30V DC (non-polarity)
Current Consumption	30mA
Ambient Temperature	-10°C to +50°C (+14°F to +122°F)
Mounting Position	Wall (indoor)
External Dimensions -WHD	70 x 110 x 32mm (2.75 x 4.33 x 1.26")
Weight	120g (4.23oz)



FEATURES

- 180cm (6ft) coverage radius
- Piezoelectric type
- Memory reset function
- Glass checker EG-01 available (Optional)

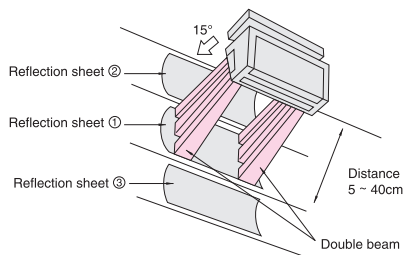
Detection System	Piezoelectric type
Alarm Output	Dry contact relay output: N.C. Reset time: approx. 2sec 30V (AC/DC) 0.5A Max
Supply Voltage	10.5 to 15V DC (polarity)
Current Consumption	20mA
Ambient Temperature	-30°C to +55°C (-22°F to +131°F)
Mounting Position	Surface of glass (indoor)
External Dimensions	37.0 dia x 15mm (1.46 dia x 0.6")
Weight	GS-02: 30g (1.06oz) GS-02C: 50g (1.76oz)





PR-S3

5 (0.2ft) to 40 cm (1.3ft) indoor



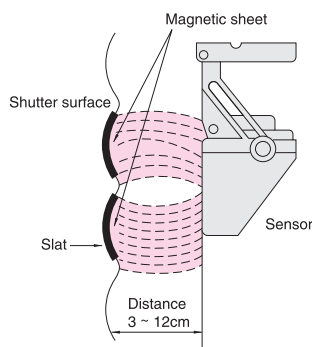
FEATURES

- Double beam
- Built-in operation LED output point
- Built-in attenuation LED

Detection System	Near infrared (reflection type)
Alarm Output	Dry contact relay output: form C Reset time: 1 to 2sec 30V (AC/DC) 0.5A Max
Supply Voltage	10 to 30V DC (non-polarity)
Current Consumption	35mA
Ambient Temperature	-25°C to +50°C (-13°F to +122°F)
Mounting Position	Shutter case, lintel (indoor)
Optional	Sensor bracket, Sheet bracket
External Dimensions - WHD	94x 50 x 40mm (3.70x 1.96 x 1.57")
Weight	115g (4.1oz)

SH-M5

3 (0.1ft) to 12cm (0.4ft) indoor



FEATURES

- High noise intensity
- Not affected by external environmental
- Alarm memory

Detection System	Magnetic modulation
Alarm Output	Dry contact relay output: form C Response time: 1 to 2sec 30V (DC) 0.5A Max
Supply Voltage	10 to 30V (non-polarity)
Current Consumption	38mA
Ambient Temperature	-25°C to +50°C (-13°F to +122°F)
Mounting Position	Shutter (indoor)
External Dimensions - WHD	92x 43 x 38mm (3.62 x 1.69 x 1.48")
Weight	95g (3.35oz)



EG-2000

Operation checker

For:

- GS-1100E
- GS-2000E
- BUS-G2000



EG-01

Operation checker

For:

- GS-02/02C



BF-S3

Sheet bracket

For:

- BR-S3/M5



BR-M5

Magnet sheet

For:

- SH-M5



BR-S3

Reflection sheet

For:

- PR-S3



BS-S3

Sensor bracket

(for over slide shutter use)

For:

- PR-S3, SH-M5



BZ-S2

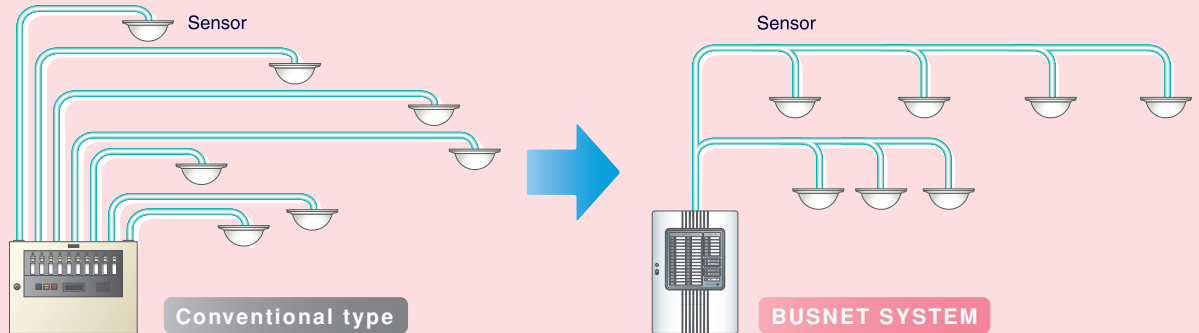
Sensor bracket

For:

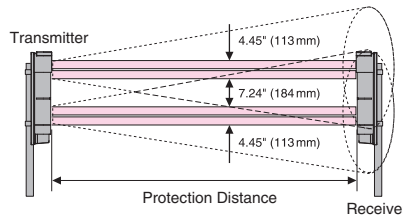
- PR-S3, SH-M5

What is the BUSNET SYSTEM?

- ◆ The BUSNET SYSTEM is the high speed information transmission system, connecting a controller and terminal devices.
- ◆ Applying the time-division multiplex transmission method, the BUSNET SYSTEM achieves multi-point transmission regardless of the distance. On top of this, compared to the conventional relay contact point type, it saves labor for both installation and wiring, achieving a high level of reliability as well.
- ◆ All terminal devices can be connected with a common transmission line. You can additionally connect a repeater to the transmission line later, according to the layout change and/or expansion of a site.



BUS-50XF	BUS-100XF	BUS-200XF
50m (165ft) outdoor	100m (330ft) outdoor	200m (660ft) outdoor



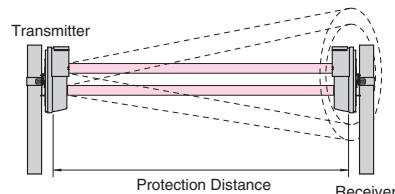
FEATURES

- 4 x synchronized high power beams
- 4 selectable beam channels to prevent crosstalk
- Double modulation for unsurpassed light immunity
- Increased beam separation minimizes nuisance alarms
- Vivid internal color aids beam alignment procedure
- Lightning and surge protection up to 15kV
- Environmental monitoring circuit
- Dynamic auto-gain lock (AGL)
- $\pm 90^\circ$ horizontal $\pm 20^\circ$ vertical adjustable sensor heads
- 50,000 lux sunlight immunity
- IP65 housing

Only for BUSNET

Detection System	Near infrared pulsed beam interruption system (TR-RE 4 beam simultaneous interruption)
Transaction Signal	Normal status, Alarm, Environment, Tamper (Receiver only), Low power supply
Supply Voltage	10 to 30VDC (polarity)
Current Consumption	34 to 38mA when armed, 60 to 68mA Max
Features	<ul style="list-style-type: none"> • Wide beam separation • Upper/lower beam switch • Response time adjustment
Ambient Temperature	-25°C to $+60^\circ\text{C}$ (-13°F to $+140^\circ\text{F}$)
Optional	Pole cover, Pole-side cover, Heater
External Dimensions - WHD	114 x 450 x 100mm (4.49 x 17.72 x 3.94")
IP Rating	65
Weight-TR/RE	1.5kg (52.9oz) / 1.55kg (54.7oz)

BUS-20XT	BUS-40XT	BUS-60XT
20m (66ft) outdoor	40m (135ft) outdoor	60m (200ft) outdoor



FEATURES

- 2 x synchronized high power beams
- 4 selectable beam channels to prevent crosstalk
- Double modulation for surpassed light immunity
- Vivid internal color body stickers aid beam alignment procedure
- $\pm 95^\circ$ horizontal $\pm 10^\circ$ vertical adjustable sensor heads
- 50,000 lux sunlight immunity
- IP55 housing

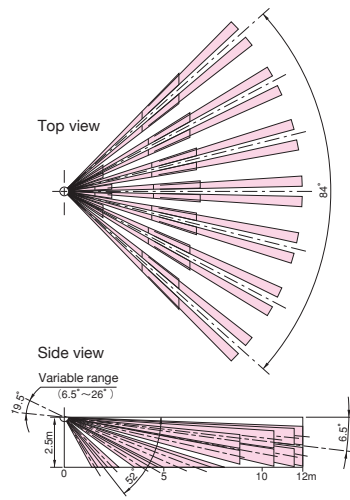
Only for BUSNET

Detection System	Near infrared pulsed beam interruption system (Double modulation)
Transmission Signal	Normal status, Alarm, Tamper (Receiver only), Low power supply
Supply Voltage	10 to 28VDC (polarity)
Current Consumption	20 to 26mA when armed, 27 to 33mA Max.
Features	<ul style="list-style-type: none"> • Sound check • Alarm memory • Monitor jack
Ambient Temperature	-25°C to $+60^\circ\text{C}$ (-13°F to $+140^\circ\text{F}$)
Optional	Anti-bird spike, Pole cover, Pole side cover
External Dimensions - WHD	80 x 200 x 72mm (3.15 x 7.87 x 2.83")
IP Rating	55
Weight-TR/RE	370g (13oz) / 400g (14oz)

BUS-6612

BUS-6612W

12m (40ft) wide angle



FEATURES

- Up to 4m (13ft) installation height
- Ceiling mount design
- Unique twin mirror and two twin pyro optic system
- Accurately detects human intrusion whilst rejecting nuisance alarms from small animals

Only for BUSNET

Detection System	Passive infrared (Twin mirror)
Transmission Signal	Normal status, Alarm, Low power supply
Supply Voltage	9 to 30V DC (polarity)
Current Consumption	20mA Max
Features	<ul style="list-style-type: none"> • Alarm memory • Pulse count selectable
Ambient Temperature	-15°C to +55°C (+5°F to +131°F)
Mounting Position	Ceiling, mount
Optional	Ceiling / wall mount attachment
External Dimensions-6612 /6612W	125 dia x 60.5mm (4.92 x 2.38") 150 dia x 62 mm (5.90 x 2.44")
Weight- 6612/6612W	150g (5.3oz)

BUS-6805B

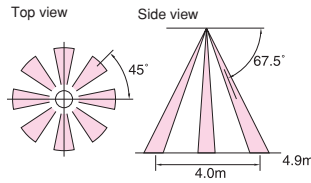
BUS-6810B

4m (13ft) spot

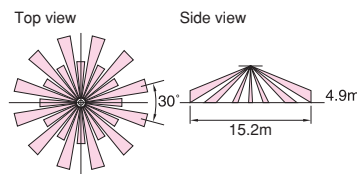
18m (59ft) x 360°



<BUS-6805B>



<BUS-6810B>



FEATURES

- 2 to 5m (6.6 to 16ft) installation height
- Ceiling mount design
- Detachable base unit with snap-in/out sensor design
- Slim and compact 47mm (1.85") profile

Only for BUSNET

Detection System	Passive infrared (Twin)
Transmission Signal	Normal status, Alarm, Low power supply
Supply Voltage	9 to 30V DC (polarity)
Current Consumption	20mA Max
Features	<ul style="list-style-type: none"> • Alarm memory • Pulse count selectable
Ambient Temperature	-15°C to +55°C (+5°F to +131°F)
Mounting Position	Ceiling, Wall (indoor)
Optional	Ceiling / wall mount attachment
External Dimensions	125dia. x 56.5mm (4.92 dia. x 2.22")
Weight	130g (4.6oz)

BUS-6812B

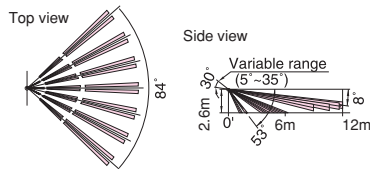
BUS-6820B

12m (40ft) wide angle

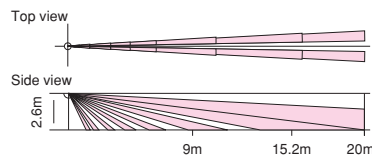
20m (66ft) vertical curtain



<BUS-6812B>



<BUS-6820B>



FEATURES

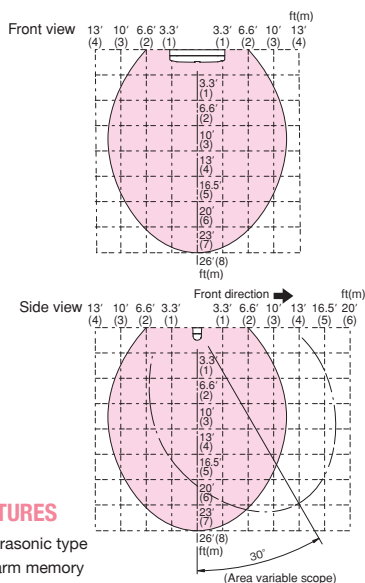
- 2 to 5m (6.6 to 16ft) installation height
- Ceiling mount design
- Geared mirror array for precise area definition
- Detachable base unit with snap-in/out sensor design
- Slim and compact 47mm (1.85") profile

Only for BUSNET

Detection System	Passive infrared (Twin)
Transmission Signal	Normal status, Alarm, Low power supply
Supply Voltage	9 to 30V DC (polarity)
Current Consumption	20mA Max
Features	<ul style="list-style-type: none"> • Alarm memory • Pulse count selectable
Ambient Temperature	-15°C to +55°C (+5°F to +131°F)
Mounting Position	Ceiling, Wall (indoor)
Optional	Ceiling / wall mount attachment
External Dimensions	125dia. x 56.5mm (4.92 dia. x 2.22")
Weight	130g (4.6oz)

BUS-G2000

6m (20ft) indoor



FEATURES

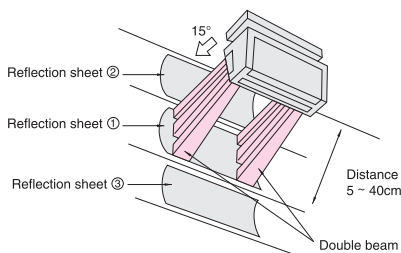
- Ultrasonic type
- Alarm memory
- Sensitivity adjustment
- Slim and compact design
- Glass checker EG-2000 available (Optional)
- Screw-less terminal block

Only for BUSNET

Detection System	Ultrasonic
Transmission Signal	Normal status, Alarm, Tamper, Low power supply, Trouble
Supply Voltage	9 to 28 VDC (polarity)
Current Consumption	25mA Max.
Ambient Temperature	-15°C to +55°C (-5° F to +131° F)
Mounting Position	Ceiling, wall (indoor)
External Dimensions -WHD	200 x 45 x 32mm (7.87 x 1.77 x 1.26")
Weight	120g (4.23oz)

BUS-S3

5 (0.2ft) to 40cm (1.3ft) indoor



FEATURES

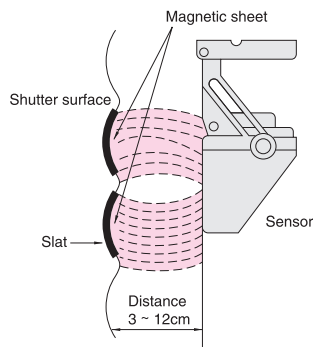
- Double beam
- Built-in operation LED output point
- Built-in attenuation LED

Only for BUSNET

Detection System	Near infrared (reflection type)
Transmission Signal	Normal status, Alarm, Trouble
Supply Voltage	10 to 30V DC (polarity)
Current Consumption	25mA Max.
Ambient Temperature	-20°C to +50°C (-4°F to +122°F)
Mounting Position	Shutter case, lintel (indoor)
External Dimensions -WHD	114 x 52 x 41mm (4.49 x 2.05 x 1.61")
Weight	140g (4.94oz)

BUS-M5

3 (0.1ft) to 12cm (0.4ft) indoor



FEATURES

- High noise intensity
- Not affected by external environmental
- Alarm memory

Only for BUSNET

Detection System	Magnetic modulation
Transmission Signal	Normal status, Alarm, Low power supply
Supply Voltage	10 to 30V DC (polarity)
Current Consumption	25mA Max.
Ambient Temperature	-20°C to +50°C (-4°F to +122°F)
Mounting Position	Shutter (indoor)
External Dimensions -WHD	114 x 52 x 41mm (4.49 x 2.05 x 1.61")
Weight	130g (4.59oz)

Independent operation possible with a maximum of 30 terminal devices connected

Set addresses from 1 to 255 using the terminal device switch. Following this, complete registrations and settings on the controller side. This simple procedure allows you to control and operate the independent output, the group output from 1 to 30, and/or the memory display. Operational flexibility can be maintained because all the settings can be easily changed on the controller side, regardless of any layout change in a site.

BUS-C630-3

BUS-C730-3

Connectable sensors : 30 pcs



FEATURES

- Equipped with 6 group alarm outputs and 30 addresses (BUS-C630-3)
- Equipped with 6 group alarm outputs and independent alarm output for 30 addresses (BUS-C730-3)

Only for BUSNET

Signal Transmission	Time divided multiple access transmission
Supply Voltage	10.5 to 28V DC (polarity)
Current Consumption	800mA or less
Input	Arm/Disarm input (N.C./N.O. selectable)
Output	Group signal (1~6), Individual address output (1~30: C730 only) Loop failure, System failure, Tamper Dry contact N.C./N.O. selectable : 30V (AC/DC) 0.25A
Ambient Temperature	-15°C to +55°C (+5°F to +131°F)
Mounting position	Indoor
External Dimensions-WHD	240 x 340 x 54 mm (9.45 x 13.39 x 2.13")
Weight - C630/C730	1.4kg (49.4oz) / 1.6kg (56.4oz)

BUS-C800

Connectable sensors : 255 pcs



FEATURES

- Equipped with 30 group outputs and 255 addresses

Only for BUSNET

Signal Transmission	Time divided multiple access transmission
Supply Voltage	Number of connected sensors 1 to 30PCS: DC10.5 to 28V (polarity) Number of connected sensors 31 to 255PCS: DC20 to 28V (polarity)
Current Consumption	1100mA +[Number of sensor]x 3.5mA (Maximum 2A)
Input	Arm/Disarm input (One directional / Bi-directional switch)
Output	Arm/Disarm output, Loop signal failure, Tamper signal Environmental disorder : Dry contact output 30V (AC/DC) 0.25A N.O./N.C. selectable Alarm signal output Dry contact output N.C./N.O. selectable Group channel 1 to 30 selectable
Ambient Temperature	-15°C to +55°C (+5°F to +131°F)
Mounting position	Indoor
External Dimensions-WHD	240 x 340 x 54 mm (9.45 x 13.39 x 2.13")
Weight - C630/C730	1.6kg (56.4oz)

BUS-RT1A

Only for BUSNET



FEATURES

- Repeater only BUS-C630-3/ BUS-C730-3/BUS-C800
- Covers wider protection range since wiring extension is available

Current Consumption	150mA+[The number of sensors]x3.5mA
Number of sensors connectable	Depending on the controller
Supply Voltage	10.5 to 28V DC (polarity)
Signal Transmission Method	Time divided multiple access transmission
Wiring Distance	Maximum distance : 1000m Total distance : 4000m when φ0.9mmAE wire used
Transmission Speed	8~16m sec per unit
Ambient Temperature	-15°C to +55°C (+5°F to +131°F)
Mounting Position	Indoor
External Dimensions-WHD	240 x 170 x 54 mm (9.45 x 6.69 x 2.13")
Weight	600g (21.2oz)

BUS-U1

BUS-D1

Only for BUSNET



FEATURES

<BUS-U1 : Input unit>
For incorporating contact type sensors into BUSNET(like wired sensor other than BUSNET connectable ones)

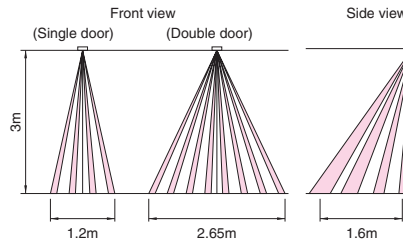
<BUS-D1 : Output unit>
*Only for BUS-C630-3, BUS-C730-3, BUS-C800
For taking out the contact output from the controller to activate alarm/intimidating devices connected in one BUSNET system.

Current Consumption	11mA (U1) 20mA (D1)
Supply Voltage	9 to 30V DC (polarity)
Signal Transmission Method	Time divided multiple access transmission
External Output	1 x Dry output contact N.C./N.O. selectable DC30V-0.25A
Ambient Temperature	(U1) -25°C to +60°C (-13°F to +140°F) (D1) -15°C to +55°C (+5°F to +131°F)
Mounting Position	Indoor
External Dimensions-WHD	64 x 100 x 23 mm (2.51 x 3.94 x 0.91")
Weight	80g (2.8oz)



DA-303

3m (10ft) width at height 3m (10ft)

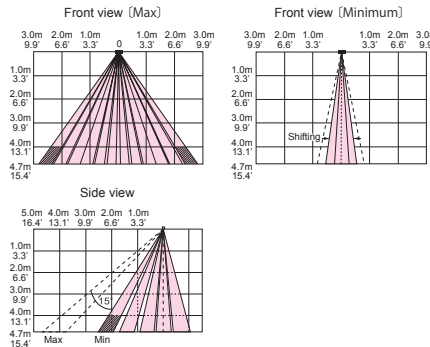
FEATURES

- Auto door sensor
- Near infrared beam type
- High-density detection pattern
- Easy to disable rows to meet any detection requirement
- Disable rows to meet any detection requirement
- Adjustable pattern width (for single/double doors)
- 4-step stationary detection (inc. infinite)
- 4 selectable channels to prevent crosstalk
- 4 selectable environment sensitivity settings
- Slim and compact design
- Suitable for AC/DC operation
- 5 colors available (silver, bronze, white, black, metallic)

Detection System	Near infrared beam direct reflection
Max Installation Height	3m (10ft)
Area Adjustable Angle	Main body adjustable angle: 0° to +5° Depth: 1 line to 4 lines Width: Adjustable by switch
Supply Voltage	12 to 110V (AC/DC) ±10% 50/60Hz
Current Consumption	AC100V: 2.4VA, AC12V: 1.7VA, AC24V: 1.7VA, DC12V: 40mA, DC24V: 80mA
Alarm Output	Dry contact relay N.O. 50V DC 0.1A or less
Output Holding Time	Approx. 0.5 seconds
Stationary Detection Time	2, 10, 60sec. and ∞ selectable by dip switch
Ambient Temperature	-20°C to +60°C (-4°F to +140°F)
External Dimensions - WHD	210 x 59 x 28mm (8.27 x 2.32 x 1.10")
Weight	180g (6.35oz)

SHA-4701

6m (20ft) width at height 4.7m (15ft)

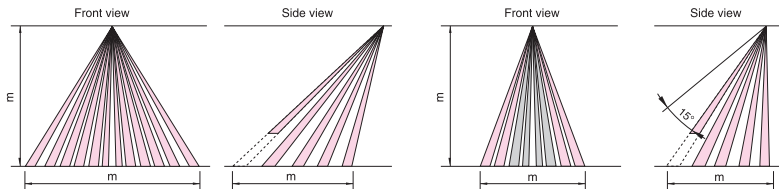
FEATURES

- Auto door sensor suitable for roller shutter
- Near infrared beam type
- High-density detection pattern
- Easy to disable rows for any detection requirement
- Environment mode prevents malfunction due to heavy snow, falling leaves, insects, etc.
- Stationary detection selectable (4 patterns in row 1/2/3, 2 patterns in row 4/5)
- Self-diagnosis/Interlock function
- Suitable for AC/DC operation

Detection System	Near infrared beam direct reflection
Max Installation Height	4.7m (15ft)
Area Adjustable Angle	Main body adjustable : 0° to +15° Depth : 1 line Width : adjustable by area switch
Supply Voltage	12 to 24V AC/DC ±10%
Current Consumption	12V AC: 2.5VA 24V AC: 2.5VA 12V DC: 140mA 24V AC: 65mA
Alarm Output	Dry contact relay output N.O. 50V DC 0.1A (resistive load)
Output Holding Time	Approx. 0.5 sec.
Stationary Detection Time	2/10/30 sec. & infinity (row 1/2/3) 2/10secs & Infinity (row 4/5)
Ambient Temperature	-20°C to +60°C (-4°F to +140°F)
External Dimensions - WHD	265 x 61 x 37.5mm (10.43 x 2.40 x 1.48")
Weight	290g (10.2oz)

SHA-6502

6.9m (23ft) width at height 6.5m (21ft)

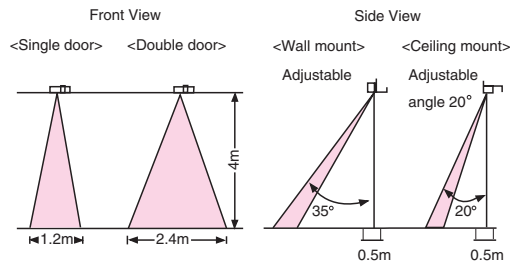
FEATURES

- Auto door sensor suitable for roller shutter
- Near infrared beam type
- High-density detection pattern
- Easy to disable rows for any detection requirement
- Remote controller available(optional) useful to high mounting operation
- Directional detection (4 patterns) decreases useless door operation
- Width of detection area can be precisely adjusted by area adjustment gears
- Stationary detection (4 patterns) for both row 1/2 and (3/4/5) available for safer detection

Detection System	Near infrared beam direct reflection
Max Installation Height	6.5m (21ft)
Area Adjustable Angle	Max. 15°
Supply Voltage	12 to 24V AC/DC ±10%
Current Consumption	12V AC: 3.3VA 24V AC: 3.7VA 12V DC: 210mA 24V AC: 120mA
Alarm Output	① Dry contact relay output N.O. (all rows & Row 3/4/5) ② Dry contact relay output N.C./N.O. (row 1/2) 50V DC : 0.1A (resistive load)
Output Holding Time	Approx. 0.5 sec.
Ambient Temperature	-20°C to +60°C (-4°F to +140°F)
External Dimensions - WHD	321 x 102 x 91mm (12.64 x 4.01 x 3.58")
Weight	830g (29.28oz)

PS-520E

2.4m (8ft) width at height 4m (13ft)



FEATURES

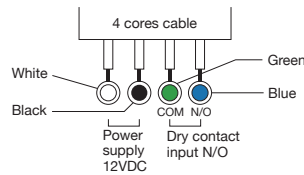
- Request-to-Exit sensor
- Passive infrared type
- Adjustable pattern width (for single/double doors)
- 2 x heavy duty relay outputs (up to 1A) for controlling door strikes and magnetic locks
- Fail safe/fail secure selectable
- Adjustable relay timer 0.25 to 60 seconds
- Dual pyro for increased external light immunity

Detection System	Passive Infrared
Alarm Output	Dry contact relay output: form C Hold time: Adjustable approx. 0.25sec to 60sec 30V (AC/DC) 1A
Supply Voltage	12 to 24V DC
Current Consumption	40mA/DC 70mA/AC
Ambient Temperature	-10°C to +50°C (+14°F to +122°F)
Mounting Position	Wall, Ceiling (indoor)
External Dimensions - WHD	160 x 60 x 40mm (6.30 x 2.36 x 1.57")
Weight	170g 6.0oz

REQUEST-TO-EXIT
The PS-520E Request-to-Exit (REX) unit uses Passive Infrared detection, combined with adjustable mirrored optics.

AV-100E

N.O. input for activation



FEATURES

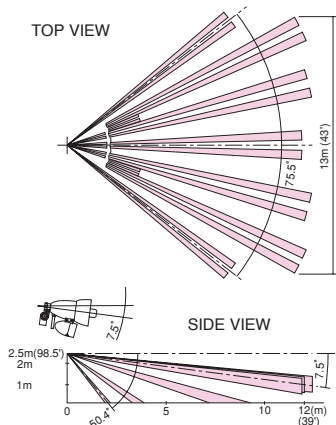
- Requires external trigger for activation (N.O. input)
- Record a message (12 sec) using built-in microphone
- Omni-directional bracket
- Horn speaker type
- 100dB/1m (3.3ft) max

Supply Voltage	10 to 14VDC
Current Consumption	20mA (Stand by) 500mA. Max
Sound Output	Max 100dB/2W
Alarm Input	Dry contact N.O.
Ambient Temperature	-20°C to 50°C (-4°F to +122°F)
Mounting Position	Outdoor, Indoor
External Dimensions - WHD	115 x 172 x 289mm (4.53 x 6.77 x 11.38")
Weight	1.0kg (2.2lb)

ATTENTION SENSORS
Takex attention sensors provide welcome message, protect emergency doors, deter would-be intruder, or trigger warning messages in a variety of different applications.

PV-12

12m (40ft) x 75°



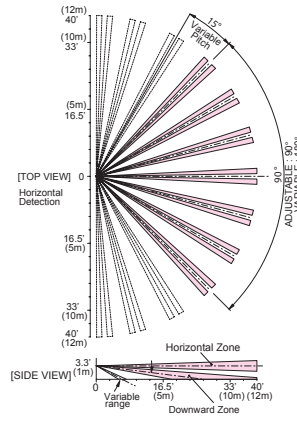
FEATURES

- Integrated PIR triggers activation
- Alarm output
- Record a message (12 sec) using built-in microphone
- Omni-directional bracket
- Horn speaker type
- 100dB/1m (3.3ft) max

Detection System	Passive infrared
Coverage Area	Wide angle protection Coverage 12m (39.4ft) max.
Supply Voltage	10 to 14VDC
Current Consumption	20mA (Stand by) 500mA (Max)
Voice Output	Max 100dB/2W
Alarm Output	Dry contact relay output: form C 30V (AC/DC) 0.5A Contact operation: synchronized with recording time (Min. 2 sec.)
Ambient Temperature	-20°C to 50°C (-4°F to +122°F)
Mounting Position	Outdoor, Indoor
External Dimensions - WHD	115 x 172 x 289mm (4.53 x 6.77 x 11.38")
Weight	1.0kg (2.2lb)

PWW-12TE

12m (40ft) x 90°



FEATURES

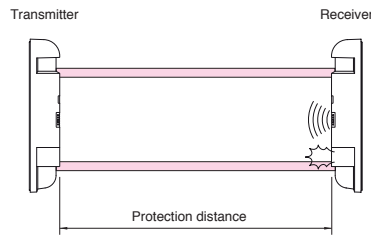
- Dual-zone detection system
- 2 recordable messages (daylight or arm/disarm)
- Built-in microphone and audio line input
- DAY/NIGHT sensing

Detection System	Passive infrared
Coverage Area	Horizontal coverage Max. detection distance 12m (40ft) Detection angle 90°
Supply Voltage	10 to 30V DC
Current Consumption	55mA Max. for standby 300mA Max. for operation
Alarm Output	Dry contact relay output N.C./N.O. selectable with a switch Contact capacity: 30V (AC/DC), 0.5A Max. Contact operation: One shot operation Approx. 2 sec.
Ambient Temperature	-20°C to 50°C (-4°F to +122°F)
Mounting Position	Outdoor, Indoor
External Dimensions - WHD	80 x 234 x 91mm (3.15 x 9.21 x 3.58")
Weight	480g (16.9oz)



PBS-15T

15m (49ft) outdoor



FEATURES

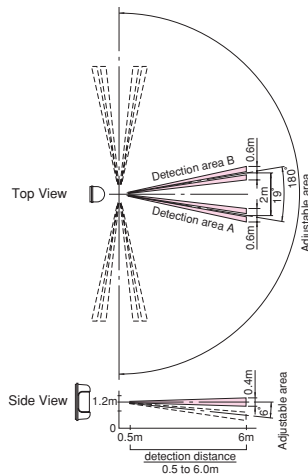
- 2 x synchronized high power beams
- Flashing beacon and siren upon detection (RE only)
- 2 selectable beam channels to prevent crosstalk
- DAY/NIGHT sensing
- 90dB/1m (3.3ft) max

Detection System	Near infrared (through type)
Alarm Output	Dry contact relay output N.C./N.O. selectable 30V AC/DC 0.5A (resistive load) Contact action: Interruption time (Min.2 sec.)
Supply Voltage	10 to 18V DC (non-polarity)
Current Consumption	Transmitter: 24mA Receiver: 250mA
Ambient Temperature	-25°C to +60°C (-13°F to +140°F)
Mounting Position	Outdoor, Indoor
External Dimensions - WHD	73 x 332 x 67.2mm (2.87 x 13.07 x 2.65")
Weight	Transmitter: 560g (19.8oz) Receiver: 620g (21.87oz)



MS-60E

6m (20ft) Direction detection



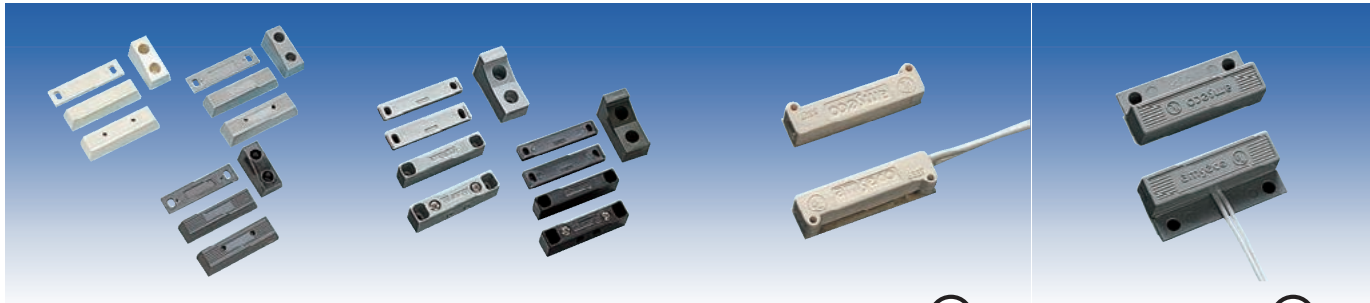
FEATURES

- Direction detecting sensor
- Rain-proof housing
- Adjustable output timer (approx. 5secs to 5min)
- Selectable day or night time operation

Detection System	Passive infrared
Alarm Output	Dry contact relay output : N.C./N.O. selectable Output time: Detection time + offdelay time (Approx. 5sec. to 5min) 30V (AC/DC) 0.5A
Supply Voltage	10.5 to 30V DC (non-polarity)
Current Consumption	40mA
Ambient temperature	-20°C to +50°C (-4°F to +122°F)
Mounting Position	Indoor or outdoor wall
External Dimensions - WHD	77 x 171 x 70mm (3.03 x 6.73 x 2.76")
Weight	240g (8.5oz)



MG-103S	MG-104S	AMS-9	AMS-10C
Operating distance 15mm max	Operating distance 20mm	Operating distance 12mm	Operating distance 20mm



- | | | | |
|--|---|---|---|
| <p>FEATURES</p> <ul style="list-style-type: none"> • Testing hole for loop check • Removable cover with spacer, stopper | <p>FEATURES</p> <ul style="list-style-type: none"> • Easy wiring, just only to insert wire into wiring hole, and tighten the screw with spacer, stopper | <p>FEATURES</p> <ul style="list-style-type: none"> • Super miniaturized magnetic switch • Lead wire type | <p>FEATURES</p> <ul style="list-style-type: none"> • Miniaturized magnetic switch • Lead wire type |
|--|---|---|---|

Mouting position	Exposed type	Mouting position	Exposed type	Mouting position	Exposed type	Mouting position	Exposed type
Alarm Output	N.C.	Alarm Output	N.C.	Alarm Output	N.C.	Alarm Output	N.C.
External Dimensions - WHD	50 x 14 x 12mm (1.97 x 0.55 x 0.47")	External Dimensions - WHD	48.5 x 11.5 x 9 mm (1.91 x 0.45 x 0.35")	External Dimensions - WHD	25 x 5.5 x 6mm (0.98 x 0.21 x 0.24")	External Dimensions - WHD	33.5 x 8.5 x 14.5mm (1.32 x 0.33 x 0.57")
Weight	20g (0.7oz)	Weight	18g (0.6oz)	Weight	6g (0.2oz)	Weight	16g (0.6oz)

AMS-17	AMS-25B	AWS-21
Operating distance 8mm	Operating distance 20mm	Operating distance 30mm



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|---|---|---|
| <p>FEATURES</p> <ul style="list-style-type: none"> • Super miniaturized magnetic switch • Lead wire type | <p>FEATURES</p> <ul style="list-style-type: none"> • Lead wire type | <p>FEATURES</p> <ul style="list-style-type: none"> • Magnetic switch for wide gap |
|---|---|---|

Mouting position	Exposed type	Mouting position	Exposed type	Mouting position	Exposed type
Alarm Output	N.C.	Alarm Output	Form C	Alarm Output	N.C.
External Dimensions	11 dia x 16mm (0.43 x 0.63")	External Dimensions	24dia x 30mm (0.94 x 1.18")	External Dimensions	Switch: 11 dia x 33mm(0.43 x 1.30") Magnet: 11 dia x 36mm(0.43 x 1.41")
Weight	10g (0.4oz)	Weight	30g (1.1oz)	Weight	16g

A	AMS-10C	37
	AMS-17	37
	AMS-25B	37
	AMS-9	37
	AV-100E	35
	AWS-21	37
B	BA-6SLA	8
	BCW-401	25
	BF-S3	29
	BH-200	13
	BL-10	13
	BL-11	13
	BL-5	13
	BL-5000	25
	BL-8400	25
	BP-01	25
	BP-02	25
	BP-03	25
	BP-100COM	15
	BP-11	25
	BP-12	25
	BP-150AE	25
	BP-200F	13
	BP-22	25
	BP-32	25
	BP-50COM	15
	BP-50MW	15
	BP-50X	13-15
	BP-5B	13
	BP-5C	13
	BP-5D	13
	BP-60A	13
	BP-60TE	13
	BR-5	13
	BR-M5	25-29
	BR-S3	29
	BS-50F	13
	BS-50XP	13
	BS-S3	29
	BU-50F	13
	BU-5300	25
	BU-6800	25
	BU-7000	25
	BU-8400	25
	BUS-100XF	30
	BUS-200XF	30
	BUS-20XT	30
	BUS-40XT	30
	BUS-50XF	30
	BUS-60XT	30
	BUS-6612	31
	BUS-6612W	31
	BUS-6805B	31
	BUS-6810B	31
	BUS-6812B	31
	BUS-6820B	31
	BUS-C630-3	33
	BUS-C730-3	33
	BUS-C800	33
	BUS-D1	33
	BUS-G2000	32
	BUS-RT1A	33
	BUS-S3	32
	BUS-M5	32
	BUS-U1	33
	BV-03	25
	BW-14	25
	BW-24	25
	BZ-S2	29
C	COM-50XTH	14
	COM-50XTL	14

	COM-IN-100AH	15
	COM-IN-100AL	15
	COM-IN-50HFH	15
	COM-IN-50HFL	15
D	DA-303	34
	DS-6ND	13
E	EG-01	29
	EG-2000	29
	ER-02	13
F	FP-2500E	24
	FP-5500E	19
	FS-1000E	26
	FS-2000E	26
	FS-3500E/(B)	26
	FS-5000E	27
	FS-6000E	27
G	GS-02	28
	GS-02C	28
	GS-1100E	28
	GS-2000E	28
H	HTF-24AE	13
	HTF-24E	13
K	KE-347T	28
	KP-100	13
	KP-150	13
	KP-32	25
M	MG-103S	37
	MG-104S	37
	MS-100E	19
	MS-12FE	16
	MS-12TE	16
	MS-60E	36
	MS-LENS-WHITE	25
	MW-100AH	14
	MW-100AL	14
	MW-50H	14
	MW-50L	14
	MX-12FAM	16
	MX-12FAMD	16
O	OMS-12FE	17
P	PA-15WE	19
	PA-30NE	19
	PA-370	22
	PA-450EA	23
	PA-450PIA	23
	PA-460EA	23
	PA-470L	23
	PA-480S	24
	PA-4810E	24
	PA-4820E	24
	PA-5312E	22
	PA-5325E	22
	PA-6412PI	22
	PA-6614E/(BL)	20
	PA-6805E/(BL)	20
	PA-6810E/(BL)	20
	PA-6812E/(BL)	20
	PA-6820E/(BL)	20
	PA-7012E	21
	PA-7030E	21
	PA-7100E	21
	PA-8410E	21
	PA-8420E	21
	PB-100AT-KH	7

	PB-100FA	4
	PB-100HFA-KH	6
	PB-100TK	7
	PB-10NS	11
	PB-10TNS	12
	PB-200FA	4
	PB-200HFA-KH	6
	PB-20TE	7
	PB-30SU	9
	PB-30TK	7
	PB-40TE	7
	PB-4RNS	12
	PB-4RTNS	12
	PB-50FA	4
	PB-50HFA-KH	6
	PB-60TE	7
	PB-60TK	7
	PB-IN-100AT	4
	PB-IN-100HFA	3
	PB-IN-200HFA	3
	PB-IN-50HFA	3
	PB-IN-75SW	8
	PBS-15T	36
	PH-200SE	9
	PH-600SE	9
	PIR-30WE	18
	PIR-50NE	18
	PIR-T15AM	18
	PIR-T40NAM	18
	PR-10B	11
	PR-10BAU	11
	PR-10NS	11
	PR-11BE	10
	PR-1B	10
	PR-30BE	10
	PR-5B	11
	PR-S3	29
	PS-520E	35
	PV-12	35
	PVW-12TE	36
	PXB-100ATC	4
	PXB-100ATC-KH	6
	PXB-100F	3
	PXB-100HF	3
	PXB-100HF-KH	6
	PXB-100SW	8
	PXB-200F	3
	PXB-200HF	3
	PXB-200HF-KH	6
	PXB-50F	3
	PXB-50HF	3
	PXB-50HF-KH	6
	PXH-100EX	9
	PXH-200EX	9
	PXH-400EX	9
S	SEC Circuit	13
	SHA-4701	34
	SHA-6502	34
	SH-M5	29
T	TX-114FR	17
	TX-114SR	17
	TX-114TR	17
	TX-124R	27
	TXF-125DM	5
	TXF-125E	5
	TXF-125E-KH	5
W	WO-3D	25

Limited Warranty

TAKEX products are warranted to be free from defects in material and workmanship for 12 months from original date of shipment. Our warranty does not cover damage or failure caused by Acts of God, abuse misuse, abnormal usage, faulty installation, improper maintenance or any repairs other than those provided by TAKEX. All implied warranties with respect to TAKEX, including implied warranties for merchantability and implied warranties for fitness, are limited in duration to 12 months from original date of shipment. During the Warranty Period, TAKEX will repair or replace, at its sole option, free of charge, any defective parts returned prepaid. Please provide the model number of the products, original date of shipment and nature of difficulty being experienced. There will be charges rendered for product repairs made after our Warranty Period has expired.

Please note

This sensor is designed to detect intrusion and to initiate an alarm; it is not a burglary or a crime preventing device. TAKEX is not responsible for damage, injury or losses caused by accident, theft, Acts of God (including inductive surge by lightning), abuse, misuse, abnormal usage, faulty installation or improper maintenance.

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