TAKEX

SECURITY & CONTROL

PRODUCT CATALOG

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PRODUCT ICON KEY

The product complies with EU safety, health and environmental requirements.	CE
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.	UL c UL us
Access the full product data sheet by scanning the QR code with your mobile device.	

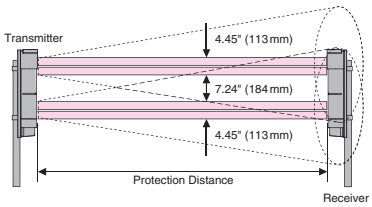
* Specifications and design are subject to change without prior notice.

www.takex-eng.co.jp

QUAD BEAMS

The professional choice in outdoor protection, our Quad beam detectors synchronise 16 beam paths for maximum stability in severe weather conditions, perfect for long range perimeter protection.

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

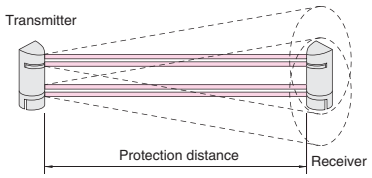


FEATURES

- 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	• Wide beam separation • Upper/lower beam switch • Response time adjustment • Programable 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) / 1.47kg (51.5oz)

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

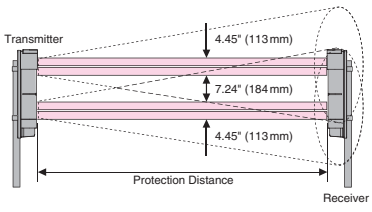


FEATURES

- 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.O./N.C. 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	• Beam power selection • Frost proof cover • Programable 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

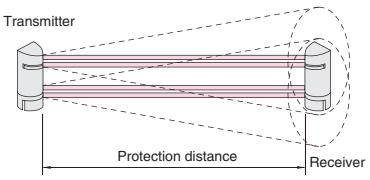
- 4 x synchronized high power beams
- Double modulation for unsurpassed light immunity
- Increased beam separation minimizes nuisance alarms
- Vivid internal color aids beam alignment procedure
- Lightning and surge protection up to 15kV
- Dynamic auto-gain lock (AGL)
- ±90° horizontal ±20° vertical 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	30mA to 34mA
Features	• 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	1.4kg (49oz) / 1.47kg (51.5oz)

QUAD BEAMS

The professional choice in outdoor protection, our Quad beam detectors synchronise 16 beam paths for maximum stability in severe weather conditions, perfect for long range perimeter protection.

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



FEATURES

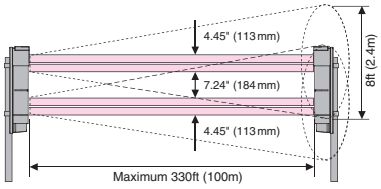
- 4 x synchronized high power beams
- Double modulation for unsurpassed light immunity
- Vivid internal color body stickers aid beam adjustment procedure.
- Dynamic auto-gain lock (AGL)
- ±90° horizontal ±10° vertical adjustable sensor heads
- 50,000 lux sunlight immunity
- IP55 housing

Detection System	Near infrared pulsed beam interruption system (TR-RE 4 beam simultaneous interruption)
Alarm Output	Dry contact relay output N.O./N.C. 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	• Programable 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)

ANTI-CRAWL BEAMS

Designed to be used in the highest security applications, such as Prisons, Military Compounds, Nuclear Facilities, or any other high risk sites where protection is paramount.

PXB-100ATC
100m (330ft) outdoor

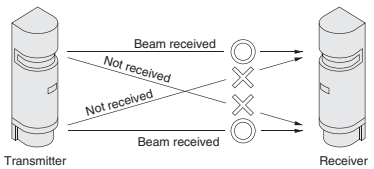


FEATURES

- 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)
- ±90° horizontal ±20° 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: 1c 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	85mA
Features	• Dual response time system • Programable AGC
Ambient Temperature	-25°C to +60°C (-13°F to +140°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)

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)
- ±90° horizontal ±10° vertical adjustable sensor heads
- 50,000 lux sunlight immunity
- IP55 housing

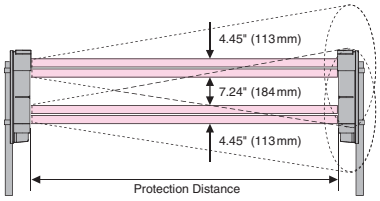
Detection System	Near infrared pulsed beam interruption system (Anti-crawling)
Alarm Output	Dry contact relay output N.O./N.C. selectable Contact action: Interruption time (Min.2sec.) Contact capacity: 30V (AC/DC) 0.25A (resistive load) Protective resistor
Supply Voltage	12 to 30V DC (Non-polarity)
Current Consumption	Transmitter: 27mA Receiver: 48mA
Features	• Wide beam separation • Upper/lower beam switch • Programable 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)

BATTERY BEAM

Designed for compatibility with leading wireless systems; reducing the time and cost of permanent installations and allowing the use of Active Infrared Beams on rapid deployment or temporary installations.

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

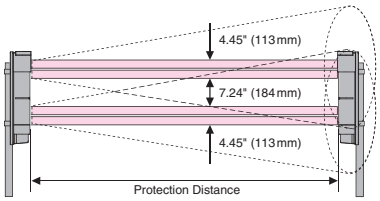
Detection System	Near infrared pulsed beam interruption (TR-RE 4 beam simultaneous interruption)
Alarm Output	Dry contact relay output form C Contact capacity: DC 30V 0.1A (resistive load)
Supply Voltage	3.6V DC (SAFT LS33600 recommended)
Current Consumption	When armed Transmitter : Approx 430mA Receiver : Approx 320mA
Features	• 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)

TOWER BEAMS

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

TXF-125E-KH

100m (330ft) outdoor



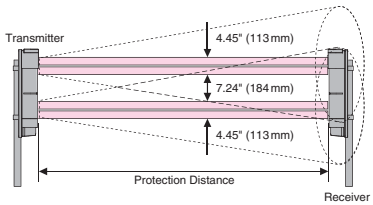
FEATURES

- 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 430mA Receiver : Approx 320mA
Features	• 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)

PXB-50HF-KH | PXB-100HF-KH | PXB-200HF-KH

50m (165ft) outdoor	100m (330ft) outdoor	200m (660ft) outdoor

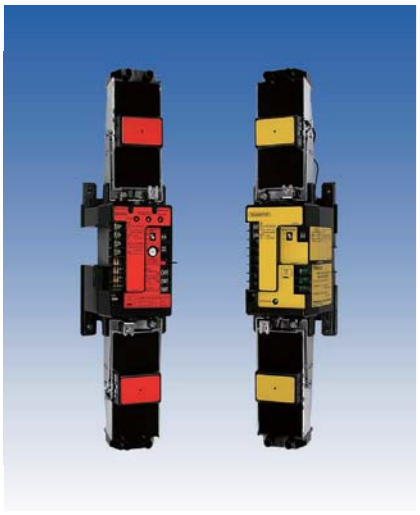


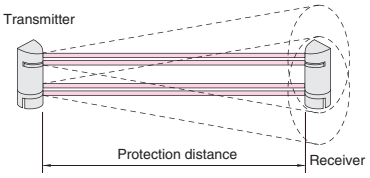
FEATURES

- 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	• Wide beam separation • Upper/lower beam switch • Response time adjustment • Programable 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



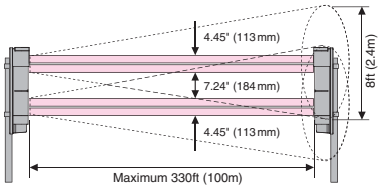


FEATURES

- 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.O./N.C. selectable Reset time: Interruption time (Min. 2sec) 30V (AC/DC) 1A Max
Supply Voltage	12 to 30V DC (non-polarity)
Current Consumption	60mA to 85mA
Features	• Beam power selection • Programable AGC
Ambient Temperature	-35°C to +66°C (-31°F to +151°F)

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

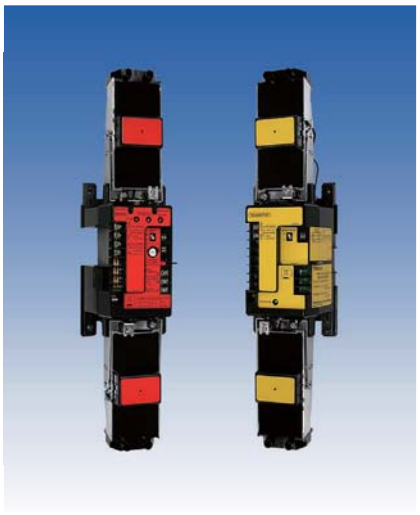


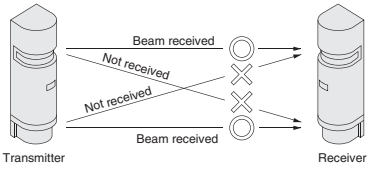
FEATURES

- 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.O/N.C. 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	Transmitter: 27mA Receiver: 48mA
Features	• Wide beam separation • Upper/lower beam switch • Response time adjustment • Programable AGC
Ambient Temperature	-35°C to +66°C (-31°F to +151°F)

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





FEATURES

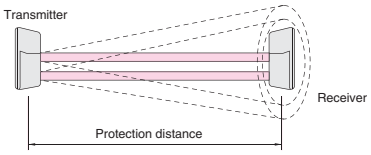
- Specifically designed for use in TA series Tower Enclosures
- Anti-crawl beam for high-security applications
- Independent activation of upper or lower beams
- Double coated electronics for demanding environments
- 4 selectable beam channels to prevent crosstalk
- Double modulation for unsurpassed light immunity
- Vivid internal color body stickers aid beam alignment procedure
- Environmental monitoring circuit
- Dynamic auto-gain lock (AGL)
- ±90° horizontal ±10° 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: 1c 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	85mA
Features	• Dual response time system • Programable AGC
Ambient Temperature	-25°C to +60°C (-13°F to +140°F)

TWIN BEAMS

TAKEX Twin Beams feature our patented 'double modulation' technology giving them an unsurpassed immunity to sunlight and artificial light sources - ideal for protecting windows, doors, fence lines, entrances and driveways.

PB-20TE	PB-40TE	PB-60TE
20m (66ft) outdoor	40m (135ft) outdoor	60m (200ft) outdoor

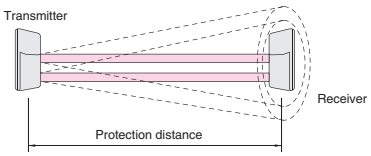


FEATURES

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

Detection System	Near infrared (through type)
Alarm Output	Dry contact relay output: 1c 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	55mA to 80mA
Features	• 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)

PB-30TK	PB-60TK	PB-100TK
30m (100ft) outdoor	60m (200ft) outdoor	100m (330ft) outdoor

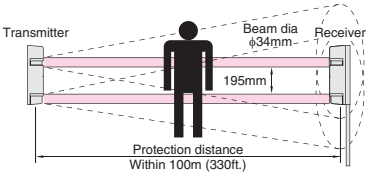


FEATURES

- 2 x synchronized high power beams
- Double modulation for unsurpassed light immunity
- ±90° horizontal ±10° vertical adjustable sensor heads
- 50,000 lux sunlight immunity
- IP54 housing

Detection System	Near infrared (through type)
Alarm Output	Dry contact relay output: 1c 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	• 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)

PB-100ST
100m (330ft) outdoor



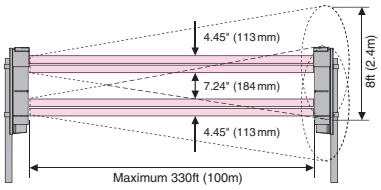
FEATURES

- 2 x synchronized high power beams
- Double modulation for unsurpassed light immunity
- ±90° horizontal ±10° vertical adjustable sensor heads
- 50,000 lux sunlight immunity
- IP55 housing

Detection System	Near infrared pulsed beam interruption system (TR-RE 2 beam simultaneous interruption)
Alarm Output	Dry contact relay output: 1c Reset time: Detection time + delay time (approx. 1 sec) 30V (AC/DC) 0.5A Max
Supply Voltage	10 to 30V DC (non-polarity)
Current Consumption	80mA
Features	• Auto-gain control (AGC) • Monitor jack output • Frost-proof cover
Ambient Temperature	-25°C to +60°C (-13°F to +140°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) / 1.2kg (42oz)

PXB-100SW

100m (330ft) outdoor



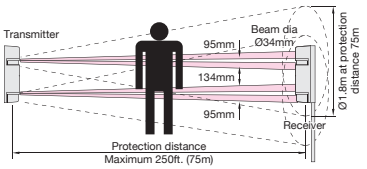
FEATURES

- 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
- 50,000 lux sunlight immunity
- 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.O./N.C. selectable Contact action: Interruption time (Min.2 sec.) Contact capacity: 30V(AC/DC) 0.25A (resistive load) Protective resistor
Supply Voltage	5 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
- 50,000 lux sunlight immunity
- 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. side 3.7mA) 10 to 30V DC 25mA (TR. side 15mA)
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

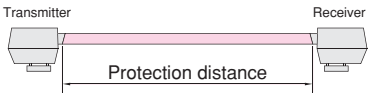
- Solar panel kit for PB-IN-75SW & PXB-100SW
- Consists of 1 x solar panel unit & 1 x power unit
- Supports up to 2 beam sets
- Low-voltage LED/output
- Battery not included

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 (when Sunlight 1kW/m2) Current: MAX 0.18A (ditto)
Ambient Temperature	-10°C to +50°C (+14°F to +122°F)
IP Rating	43
Weight	Power Unit: 1.3kg (45.9oz) Solar panel: 600g (21.2oz)

INTRINSICALLY SAFE BEAMS

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

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



FEATURES

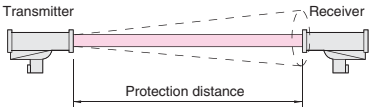
- Modulated pulsed high power beam
- Intrinsically safe (iad2G4)
- Ideal for monitoring hazardous locations

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	12.5kg (440.9oz) Max

LONG RANGE BEAMS

Designed for perimeter protection in extensive grounds with robust housing.

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



FEATURES

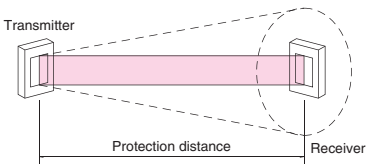
- Modulated pulsed high power beam
- Single beam/synchronized twin operation possible using optional module
- 4 set stacked/linear protection
- Quick Beam Alignment
- Anti-malfunction circuit
- External environmental diagnostic function

Detection System	Near infrared (through type)
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
Ambient Temperature	-25°C to +55°C (-13°F to +131°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	2kg (4.4lb) / 8kg (17.6lb) per

FLUSH MOUNT BEAM

Features 100ft indoor coverage, flush wall mountable on a single gang box.

PB-30SU
30m (100ft) indoor



FEATURES

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

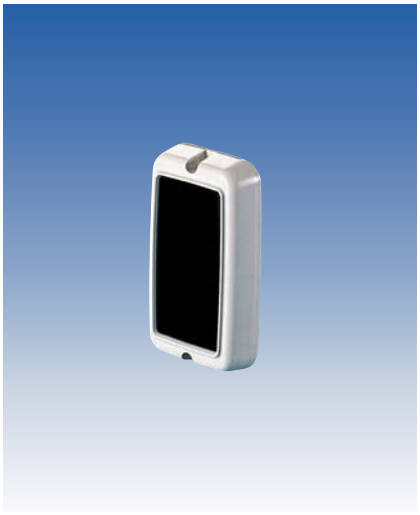
Detection System	Near infrared (through type)
Alarm Output	Dry contact relay output: N.C./N.O. Reset time: Detection time + delay time (approx. 2sec) 24V (AC/DC) 0.25A Max
Supply Voltage	10 to 30V DC (non-polarity)
Current Consumption	31mA
Ambient Temperature	-20°C to +50°C (-4°F to +122°F)
Mounting 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)

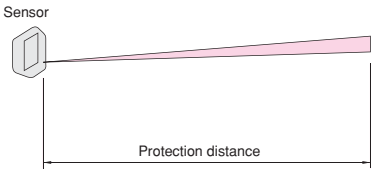
REFLECTIVE BEAMS

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

PR-1B

1m (3.3ft) indoor





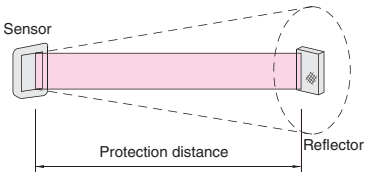
FEATURES

- 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



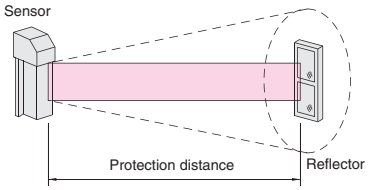
FEATURES

- 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: 1c 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 | PR-10BU

10m (33ft) indoor | 10m (33ft) indoor



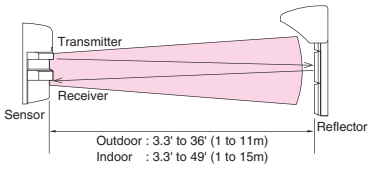
FEATURES

- 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-10BU) types available

Detection System	Near infrared (reflection type)
Alarm Output	Dry contact relay output: N.C. Reset time: approx. 1sec 30V (AC/DC) 0.5A Max
Supply Voltage	10.5 to 15V DC (non-polarity)
Current Consumption	30mA
Ambient Temperature	-20°C to +50°C (-4°F to +122°F)
Mounting Position	Indoor
Optional	L bracket
External Dimensions - WHD	62 x 157 x 62mm (2.44 x 6.18 x 2.44")
Weight	220g (7.7oz)

PR-11BE

11m (36ft) outdoor



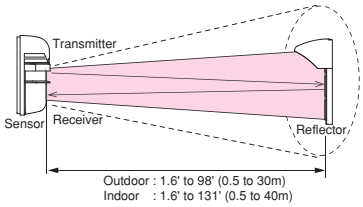
FEATURES

- 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
- 50,000 lux sunlight immunity
- IP55 housing

Detection System	Near infrared (reflection type)
Alarm Output	Dry contact relay output: N.O./N.C. 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-30BE

30m (100ft) outdoor



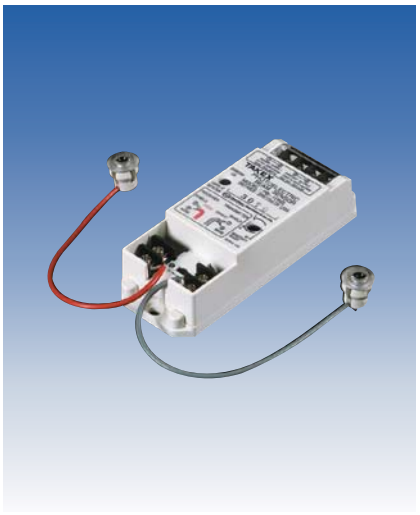
FEATURES

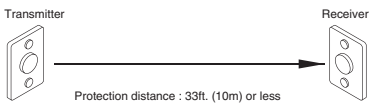
- Reflection type
- Cable only to one end: for applications where a beam break is desirable but wiring to both ends is impractical
- Suitable for both indoor and outdoor use
- Distance measurement system
- Sound check

Detection System	Near infrared (reflection type)
Alarm Output	Dry contact relay output: N.O./N.C. 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)

PB-10NS

10m (33ft) indoor





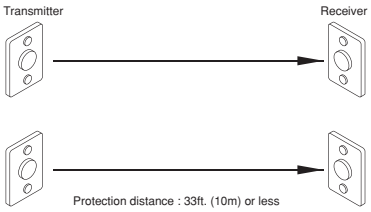
FEATURES

- Single beam
- Miniaturized control box
- Sensor cord can be cut to length as required
- 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.O./N.C. 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)

PB-10TNS

10m (33ft) indoor



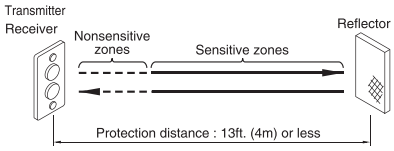
FEATURES

- Twin beam
- AND/OR operation mode
- Miniaturized control box
- Sensor cord can be cut to length as required
- 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.O./N.C. 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



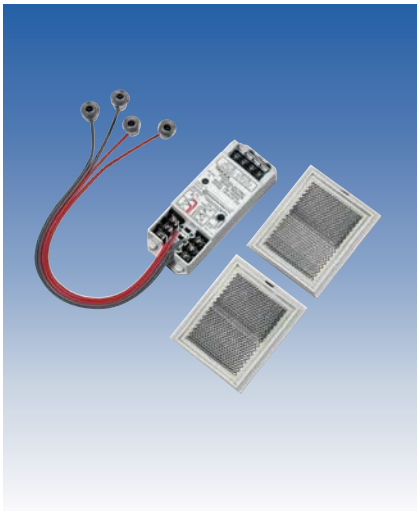
FEATURES

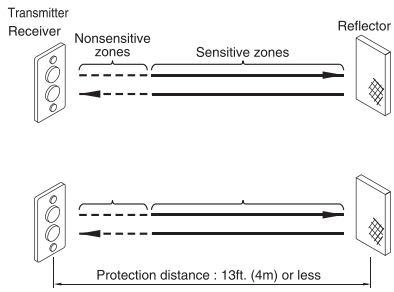
- Single beam
- Miniaturized control box
- Easy installation
- Built-in sensitivity control
- Sensor cord can be cut to length

Detection System	Near infrared (through type)
Alarm Output	Dry contact relay output : N.O./N.C. 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") RIF: 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





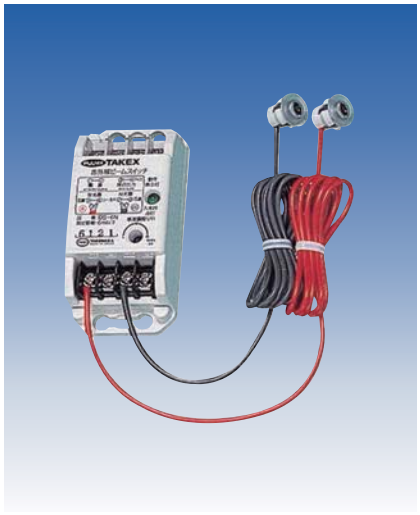
FEATURES

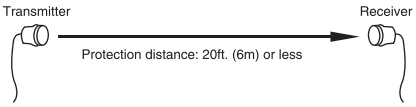
- Twin beam
- Miniaturized control box
- Easy installation
- Built-in sensitivity control
- Sensor cord can be cut to length

Detection System	Near infrared (through type)
Alarm Output	Dry contact relay output : N.O./N.C. 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") RIF: 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

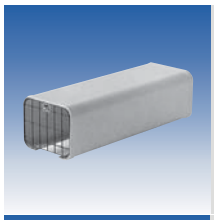




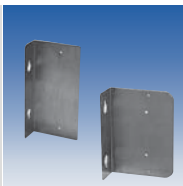
FEATURES

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

Detection System	Near infrared pulsed beam interruption
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)



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

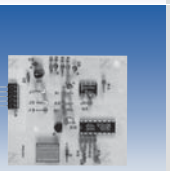
BP-5B
BP-5D
Flush mount plate (sensor)
For:
- PR-1B
- PR-5B

BP-5C
Flush mount plate (reflector)
For:
- PR-5B

BP-60A
Pole attachment
For:
- PB-20/40/60TE
- PB-30/60/100TK

BP-60TE
Pole cover
For:
- PB-20/40/60TE
- PB-30/60/100TK

BP-200F
Pole cover
For:
- PB-IN-50/100/200HFA
- PB-50/100/200FA
- PB-IN-100AT
- PB-100ST



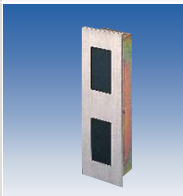
SEC Circuit
Environmental
For:
- PH-200SE/600SE

BP-50X
Pole cover
For:
- PXB-50/100/200HF
- PXB-50/100/200F
- TXF-125E
- PXB-100ATC
- PXB-100SW

BR-5
BR-10
Reflector
For:
- PR-5B (BR-5)
- PR-10B/BU (BR-10)

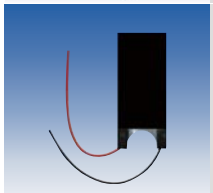
BS-50F
Pole side cover
For:
- PB-IN-50/100/200HFA
- PB-50/100/200FA
- PB-IN-100AT
- PB-100ST

BS-50XP
Pole side cover
For:
- PXB-50/100/200HF
- PXB-50/100/200F
- PXB-100ATC
- PXB-100SW

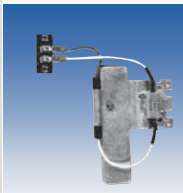


BU-50F
Flush mount housing
For:
- PB-IN-50/100/200HF
- PB-50/100/200FA
- PB-IN-100AT
- PB-100ST

ER-02
Wireless alignment checker
For:
- PXB-50/100/200HF
- PXB-50/100/200F
- TXF-125E
- PXB-100ATC
- PXB-100SW



HTF-24AE
24VDC Heater kit
For:
- PXB-50/100/200HF
- PXB-50/100/200F
- PXB-100ATC

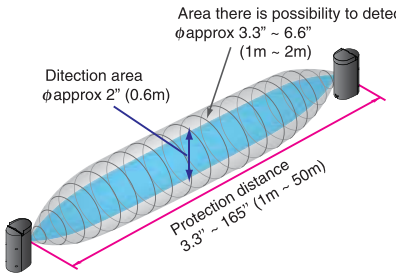


HTF-24E
24VDC Heater kit
For:
- PB-IN-50/100/200HFA
- PB-50/100/200FA
- PB-IN-100AT
- PB-100ST

MICROWAVE SENSORS

The wavelength of microwave is extremely long which prevents the sensor from being affected by torrential rainfall, snowfall, fog or frost especially during the cold wintertime to ensure stable detection performance.

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

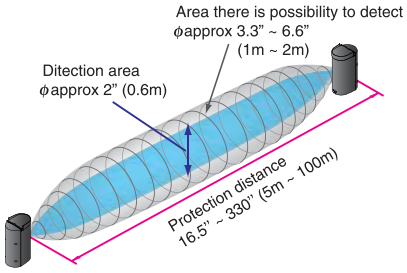


FEATURES

- 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 :1c 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

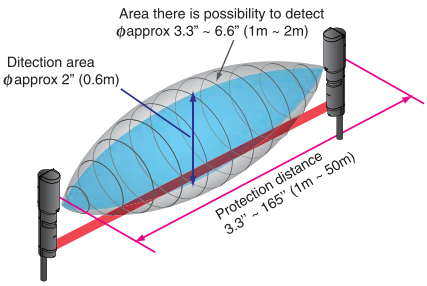
- High immunity against hazardous weather such as heavy fog, snowfall or rain.
- 2 frequencies (H) and (L) available
- Monitor output
- Adjustment mode switch

Detection System	Microwave 24.12GHz (MW-100AL) Microwave 24.17GHz (MW-100AH)
Alarm Output	Dry contact relay output :1c 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-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)

COMBINATION SENSOR

Integrated photoelectric beam sensor and microwave sensor extremely reduces nuisance false alarm extremely in harsh weather condition such as rainfall, snowfall, fog.

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

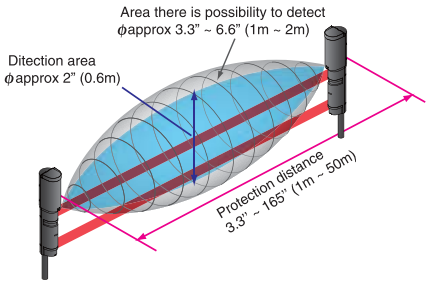


FEATURES

- Combination of photoelectric beam sensor and microwave
- 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 high 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-50XTM)
Alarm Output	Dry contact relay output :1c Reset time : Detection time + delay time (approx. 2sec) 30V (AC/DC) 0.25A Max
Supply Voltage	10 to 30V DC
Current Consumption	64mA
Features	Alarm output : Transmission power selectable Programmed AGC Auto-gain lock
Ambient temperature	-20°C to 60°C (-13°F to 140°F)
Optional	Pole cover (BP-200X)
External Dimensions - WHD	114 x 450 x 100mm (4.48 x 17.72x 3.93")
Weight - TR/RE	1.6g (56.0oz) / 1.7kg (57.8oz)

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

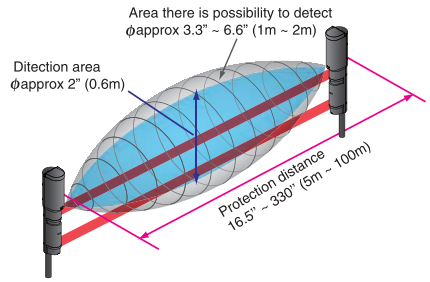


FEATURES

- Combination of photoelectric beam sensor and microwave
- 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.O./N.C. 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	104 x 627 x 102mm (4.09 x 24.69x 4.01”)
Weight - TR/RE	1.9kg (67.0oz) / 2kg (70.5oz)

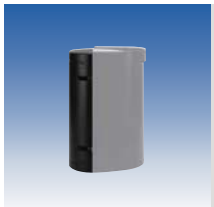
COM-IN-100AL	COM-IN-100AH
100m (330ft) outdoor	



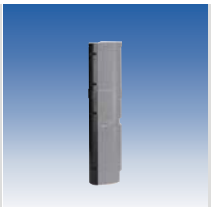
FEATURES

- Combination of photoelectric beam sensor and microwave
- 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.

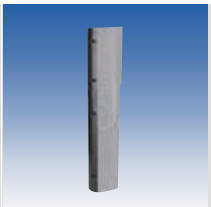
Detection System	Photoelectric beam + Microwave
Alarm Output	Dry contact relay output N.O./N.C. selectable Reset time: Interruption time (Min. 2sec) 30V (AC/DC) 1A Max
Supply Voltage	12 to 30V DC
Current Consumption	175mA
Features	Environmental output Automatic gain control (AGC) Monitor output
Optional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

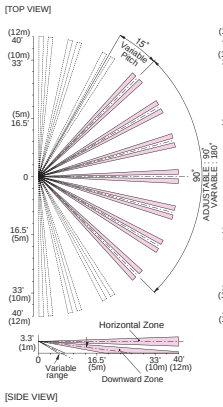
BP-50X
Pole cover
For:
- COM-50XT

DUAL-ZONE PIR OUTDOOR

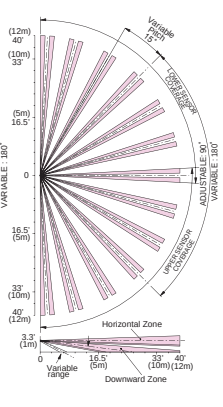
Takex 'Dual-Zone' PIR's, combine a horizontal curtain with a downward curtain, both of which need to be activated simultaneously for an alarm. With up to 180° x 12m range these sensors are perfect for use in both domestic and industrial applications

MS-12TE	MS-12FE
12m (40ft) x 90°	12m (40ft) x 180°

<MS-12TE>



<MS-12FE>

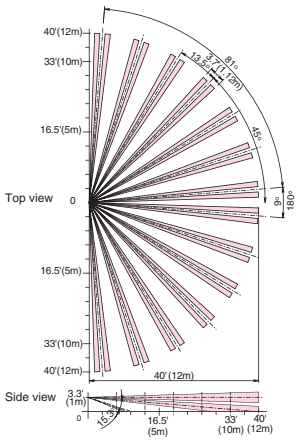


FEATURES

- 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	Twin x 2
Alarm Output	Dry contact relay output: N.C./N.O. selectable 30V (AC/DC) 0.5A Max Reset time: approx 2sec. ~ 5min.	
Supply Voltage	12 to 30V 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

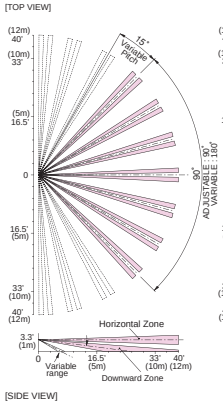
Detection System	Passive infrared (Twin x 2)
Alarm Output	Dry contact relay output N.C./N.O. selectable • Contact capacity: 30V AC/DC 0.2A MAX. (Resistive load) • Contact operation: Detection time (2sec)
Tamper Output	Dry contact relay output N.C. Contact capacity: 30V (AC/DC), 0.1A MAX. (Resistive load)
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)

BATTERY PIR OUTDOOR

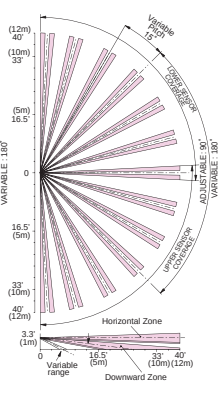
These battery powered sensors offer the same levels of protection as our MS-12 family, designed for compatibility with leading wireless systems.

TX-114TR	TX-114FR
12m (40ft) x 90°	12m (40ft) x 180°

<TX-114TR>



<TX-114FR>



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

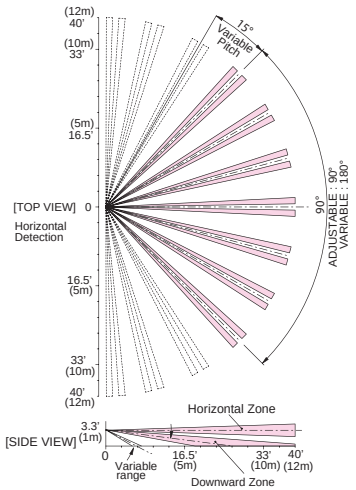
Model	TX-114TR	TX-114FR
Detection System	Passive infrared	
Operation	10VDC - 0.01A Max • Alarm output • Tamper output • Trouble output	
Supply Voltage	3V to 9V DC Alkaline or Lithium Battery	
Current Consumption	25µA	35µA
	5mA/3V (Test mode)	
Ambient Temperature	-4°F to +122°F (-20°C to +50°C)	
Mounting Position	Outdoor, Indoor	
External Dimensions - WHD	91 x 245 x 116.5mm (3.58 x 9.65 x 4.59")	
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

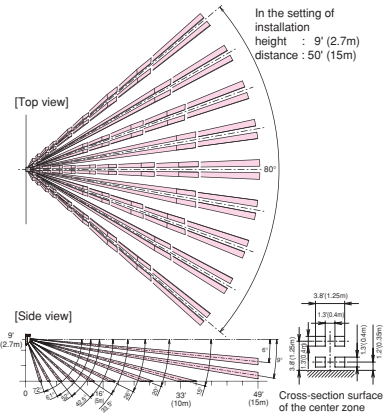
Detection System	Passive infrared: Twin
Operation	10VDC - 0.01A Max • Alarm output (Blue wires) • Tamper output (Green wires) • Trouble output
Supply Voltage	3V to 9V DC Alkaline or Lithium Battery
Current Consumption	25μA 5mA/3V (Test mode)
Ambient Temperature	-20°C to +50°C (-4°F to +122°F)
Mounting Position	Outdoor, Indoor
External Dimensions - WHD	80 x 234 x 88mm (3.15 x 9.21 x 3.46")
IP Rating	54
Weight	400g (14.1oz)

HIGH PERFORMANCE PIR OUTDOOR

Using the highest quality mirror-optics, these detectors have been designed for the most demanding environments where quality and reliability matter.

PIR-T15WE

15m (49ft) x 80°



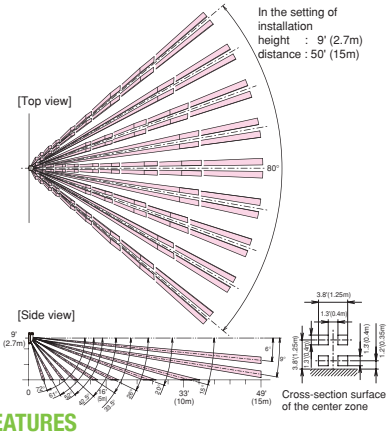
FEATURES

- Triple mirror optical system
- 4 operation modes:
  Low Position, High Position, Pet Mode, High Density
- 2 to 6m (6.6 to 20ft) installation height
- High performance triple mirror optical system
- 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	40mA
Features	• External output • Pet immunity • Back tamper
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-T15AM

15m (49ft) x 80°



FEATURES

- 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
- High performance triple mirror optical system
- Precise LED detection area adjustment function
- Lightning surge protection
- IP55 housing

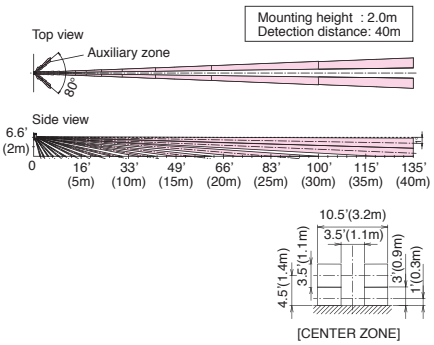
Detection System	Passive infrared (Triple mirror)
Alarm Output	Dry contact (semi-conductor) output N.C./N.O. 24V (AC/DC) 0.25A (resistive load)
Supply Voltage	9 to 28V DC (non-polarity)
Current Consumption	50mA
Features	• External output • Pet immunity • Back tamper • Anti-masking
Ambient Temperature	-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)

HIGH PERFORMANCE PIR OUTDOOR

Using the highest quality mirror-optics, these detectors have been designed for the most demanding environments where quality and reliability matter.

PIR-T40NAM

45m (148ft) vertical curtain



FEATURES

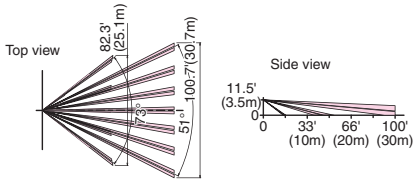
- Triple mirror optical system
- Anti-masking function
- 4 operation modes: Low position, Middle position, High position, High density
- 2 to 6m (6.6 to 20ft) installation height
- Pet immunity
- Precise LED detection area adjustment function
- Lightning surge protection
- IP55 housing

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	• External output • Pet immunity • 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)

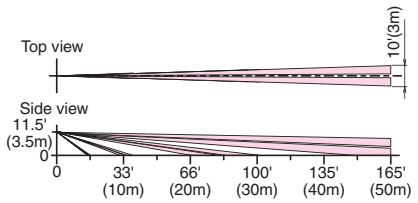
PIR-30WE / PIR-50NE

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

<PIR-30WE>



<PIR-50NE>



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	30mA
Features	• 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)

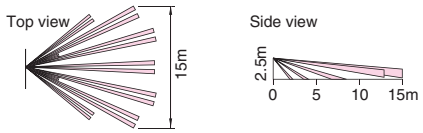
MEDIUM RANGE PIR OUTDOOR

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

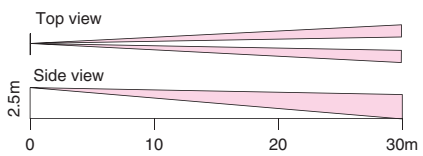
PA-15WE / PA-30NE

PA-15WE	PA-30NE
15m (50ft) wide angle	30m (100ft) long range

<PA-15WE>



<PA-30NE>



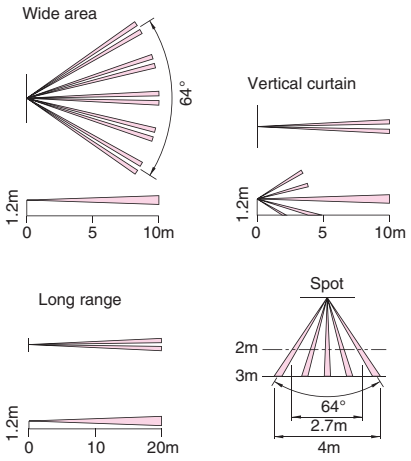
FEATURES

- 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: 1c 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	211 x 72 dia. (8.30 x 2.83" dia.)
IP Rating	43
Weight	500g (17.6oz)

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

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")
IP Rating	43
Weight	220g (7.8oz)

MULTI-PATTERN PIR OUTDOOR

Designed for outdoor and indoor use, the MS-100E offers the choice of wide angle, vertical and horizontal curtain, or long range detection from within a single discreet housing.

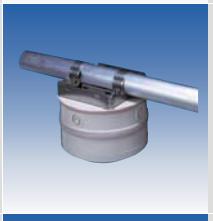
OUTDOOR PIR ACCESSORIES

BCW-401
Wall/ceiling attachment
For:
- MS-100E + BW-14

BL-8400
Wall mount attachment
For:
- PIR-30WE/50NE
- PA-8410E/8420E

BP-01
Pole attachment
For:
- PA-15WE/PA-30NE

BP-02
Pole attachment
For:
- PIR-T15WE/AM
- PA-15WE/PA-30NE



BP-03
Pole attachment
For:
- PIR-30WE/50NE
- PA-8410E/8420E

BP-11
Pole cover
For:
- MS-100E

BP-12
Pole attachment kit
For:
- MS-100E

BP-22
Pole attachment kit
For:
- MS-12TE/FE
- TX-114SR

BP-32
Pole attachment clamps
For:
- OMS-12FE
- TX-114TR/FR
- PIR-T15WE/AM
- PIR-T40NAM

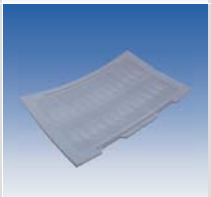
BR-M5
Magnetic sheet
For:
- MS-100E + BW-14

BV-03
Vice attachment
For:
- PA-15WE/PA-30NE

BW-14
Wall mount bracket
For:
- MS-100E

BW-24
Wall mount bracket
For:
- MS-12TE/FE
- TX-114SR

KP-32
Ceiling attachment
For:
- PIR-T15WE/AM + BP-22F



MS-LENS-WHITE
White lens
For:
- MS-12TE/FE
- TX-114FR/TR
- TX-114SR

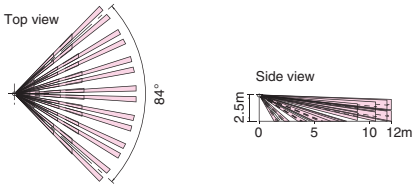
WO-3D
Wall bracket
For:
- PIR-30WE/50NE + BL-8400

CEILING MOUNT PIR INDOOR

Whether you need simple 'spot' detection, 360° protection, curtain or wide angle coverage, Takex offer a comprehensive range of ceiling mount detectors for both domestic and industrial applications.

PA-6612E

12m (40ft) wide angle



FEATURES

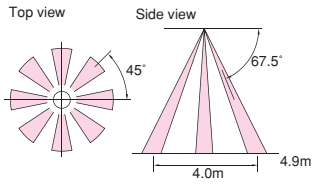
- Up to 4m (13ft) installation height
- Ceiling mount design
- Unique twin mirror and two twin pyro optic system
- Accurately detects human intrusion whilst rejecting nuisance alarms from small animals
- Geared mirror array for precise area definition
- Detachable base unit with snap-in/out sensor design
- Photo MOSFET relay for silent operation
- High RFI and EMI immunity

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	10.5V to 28V DC (non-polarity)
Current Consumption	25mA
Features	• Pulse count • LED control
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 55mm (4.72 dia. x 2.16")
Weight	135g (4.8oz)

PA-6805E / PA-6810E

PA-6805E	PA-6810E
4m (13ft) spot	15m (50ft) x 360°

<PA-6805E>



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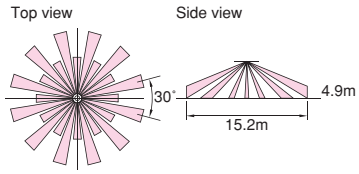


FEATURES

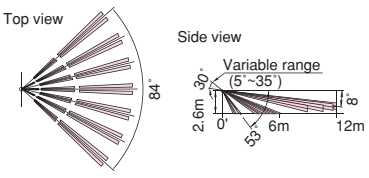
- 2 to 4.9m (6.6 to 16ft) installation height
- Ceiling mount design
- Detachable base unit with snap-in/out sensor design
- Slim and compact 47mm (1.85") profile

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	10.5 to 28V DC (non-polarity)
Current Consumption	25mA
Features	• 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 45mm (4.72 dia. x 1.85")
Weight	110g (3.9oz)

PA-6812E / PA-6820E

PA-6812E	PA-6820E
12m (40ft) wide angle	20m (66ft) vertical curtain

<PA-6812E>



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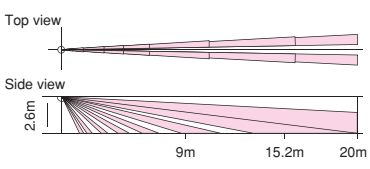


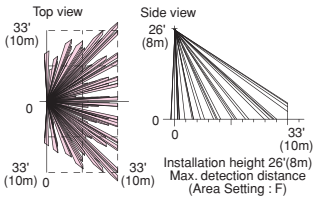
FEATURES

- 2 to 4.9m (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

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	10.5 to 28V DC (non-polarity)
Current Consumption	25mA
Features	• 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 45mm (4.72 dia. x 1.85")
Weight	110g (3.9oz)

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

<PA-8410E>



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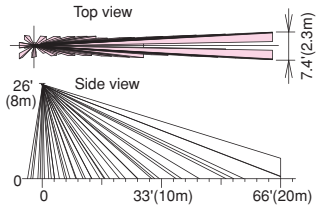


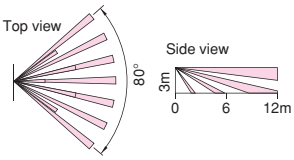
FEATURES

- 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
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	• 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

<PA-7012E>



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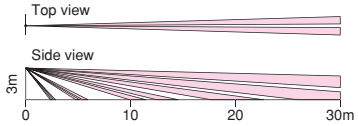
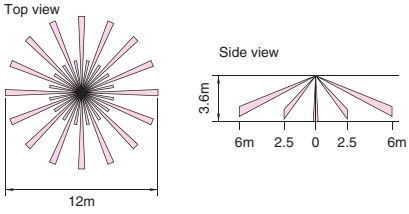


FEATURES

- 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: 1c 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: 1c 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)

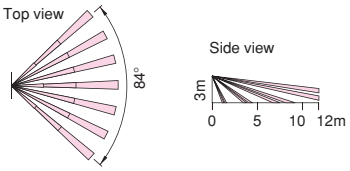
CEILING MOUNT PIR INDOOR

Whether you need simple 'spot' detection, 360° protection, curtain or wide angle coverage, Takex offer a comprehensive range of ceiling mount detectors for both domestic and industrial applications.

PA-5312E / PA-5325E

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

<PA-5312E>



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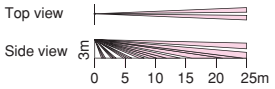


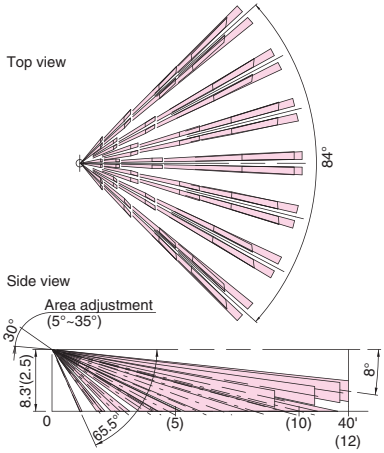
FEATURES

- 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	• 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 +50°C (+14°F to +122°F)
Mounting Position	Indoor
Optional	Flush mount attachment, Level checker
External Dimensions	147.3 dia. x 59mm (5.80 dia. x 2.32")
Weight	250g (8.8oz)

PA-6412PI

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



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	• 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)

BP-150AE

BP-150AE
Anti-Masking Base Plate

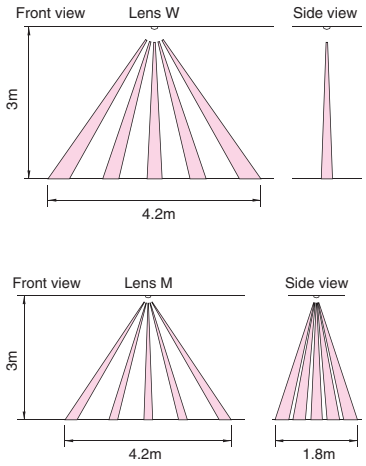
FEATURES

- Sensor base incorporating "Anti-Masking" capability
- Works with Ceiling Mount PIR sensors:
  PA-6612E, PA-6812E & PA-6820E
- Works with flame sensor FS-2000E

Detection System	Direct reflection system by near infrared
Alarm Output	Subject to the attached sensor unit *N.C. only for FS-2000E
Supply Voltage	9VDC to 30VDC (Subject to Sensor Head)
Current Consumption	Max 15mA (Base unit only)
Ambient Temperature	-15°C to 55°C (5°F to 131°F)
Trouble Alarm Output	N/C, 24V AC/DC
External Dimensions	150 x 15mm (5.91" x .59")
Weight	120g (4.2oz)

PA-370

6.7m (22ft) wide / narrow curtain



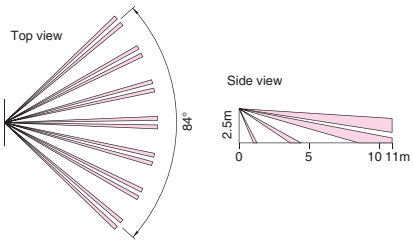
FEATURES

- Up to 5m mounting height
- Ceiling mount design
- Interchangeable lenses

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	10 to 18V DC (non-polarity)
Current Consumption	25mA
Features	• Pulse count • LED disable switch • Low voltage alarm • Auto reset memory
Ambient Temperature	-15°C to +55°C (+5°F to +131°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-450E

11m (36ft) wide angle



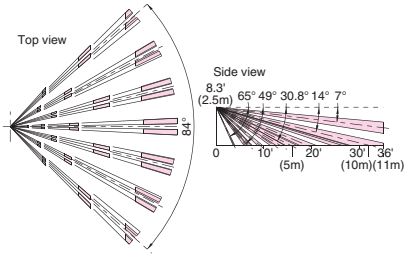
FEATURES

- 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

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 18V DC (non-polarity)
Current Consumption	25mA
Features	• 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 - WHD	70 x 110 x 45mm (2.76 x 4.33 x 1.77")
Weight	120g (4.2oz)

PA-450PI

11m (36ft) wide angle



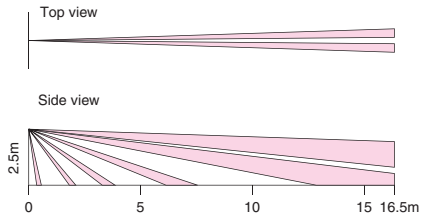
FEATURES

- 20kg (44.1lb) pet immunity
- Wall mount design
- Adjustable coverage to suit different mounting heights
- 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	9 to 18V DC (non-polarity)
Current Consumption	25mA
Features	• 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 - WHD	70 x 110 x 45mm (2.76 x 4.33 x 1.77")
Weight	120g (4.2oz)

PA-460E

16.5m (54ft) vertical curtain



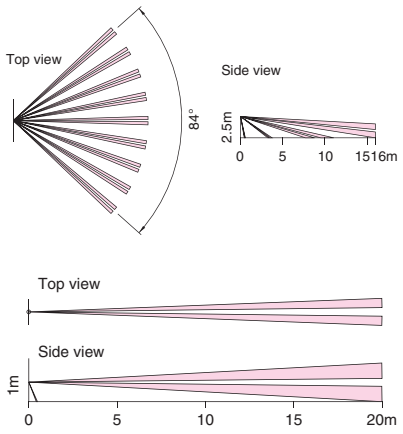
FEATURES

- Wall mount design
- Adjustable coverage to suit different mounting heights
- Creep zone eliminates dead-space below sensor
- Equipped with tamper and auto-reset memory
- 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	10 to 18V DC (non-polarity)
Current Consumption	25mA
Features	• 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	120g (4.2oz)

PA-470L

16m (52ft) wide angle / 20m (66ft) vertical curtain



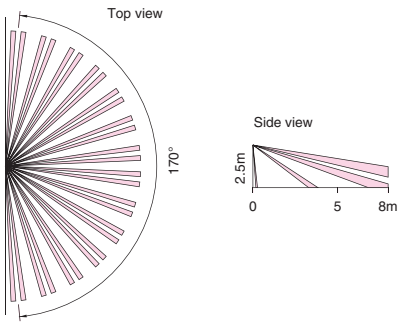
FEATURES

- 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. (changeover on switch) Reset time: approx. 2sec. 30V (AC/DC) 0.25A Max
Supply Voltage	9 to 18V DC (non-polarity)
Current Consumption	28mA
Features	• 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

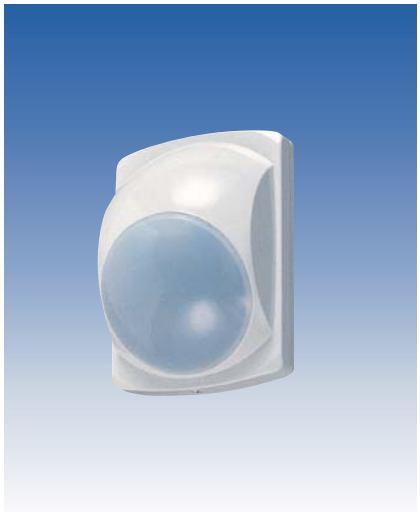
- Wall mount design
- Twin element with pulse count
- Low voltage trouble output
- Alarm memory function

Detection System	Passive infrared (Twin)
Alarm Output	Dry contact relay output: N.C. Reset time: approx. 2sec. 30V (AC/DC) 0.1AMax
Supply Voltage	9 to 18V DC (non-polarity)
Current Consumption	32mA
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)

WALL MOUNT PIR INDOOR

Attention to detail is where Takex excel, with unsurpassed immunity to RFI, power line noise, static etc, and using silent mosfet relays, these sensors are designed for a market demanding quality and reliability.

PA-4810E	PA-4820E
12m (40ft) wide angle	25m (82ft) vertical curtain



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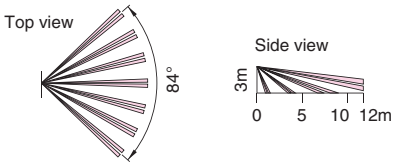

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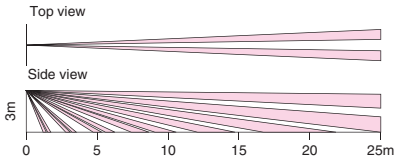


FEATURES

- 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. (changeover on switch) Reset time: approx. 2sec. 30V (AC/DC) 0.25A Max
Supply Voltage	10 to 30V DC (non-polarity)
Current Consumption	32mA
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)

INDOOR PIR ACCESSORIES

BCW-401

Wall/ceiling attachment

For:

- PA-450E/450PI/460E
- PA-470L/480S
- PA-6612E
- PA-6805/6810/6812/6820E

BL-5000

Wall mount attachment

For:

- PA-6612E
- PA-6805/6810/6812/6820E
- PA7012/7030/7100E
- PA-5312/5325E
- PA-6412PI

BU-5300/6800/7000

Flush mount attachment

For:

- PA-5312/5325E
- PA-6805/6810/6812/6820E
- PA7012/7030/7100E

BU-8400

Embedding attachment

For:

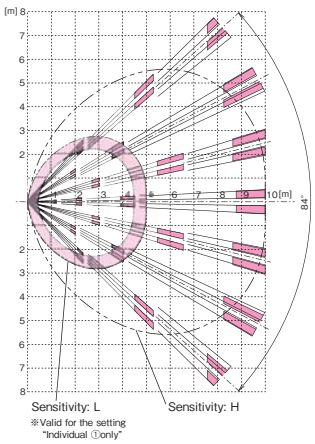
- PA-8410E/8420E

INDOOR FLAME PASSIVE SENSOR

Ideal combination sensor to minimize nuisance alarm.

FP-2500E
10m (33ft) / 7cm (2.75") flame

Wide Angle



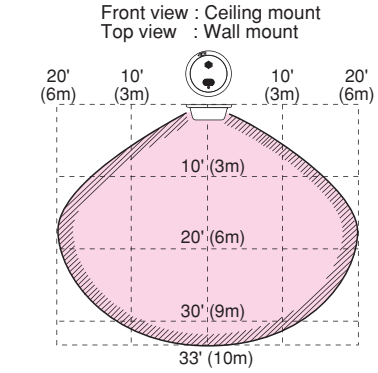
FEATURES

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

Detection System	Ultraviolet rays detection + Passive infrared • Flame sensor part 7cm (2.75") gas • Passive sensor part Wide Angle 10m (33ft)
Detection Distance	7cm (2.75") gas/ lighter flame at 10m (33ft)
Alarm Output	2 x Dry contact relay (N.O./N.C. selectable) (1 x Flame sensor, 1 x Passive sensor) 1 x Dry contact relay N.C. (Tamper)
Supply Voltage	10 to 30V (non-polarity)
Current Consumption	20mA. Max
Ambient Temperature	-15°C to +55°C
Mounting Position	Indoor
External Dimensions - WHD	110 x 70 x 55mm (4.33 x 2.70 x 2.171")
Weight	120g (4.23oz)

FS-1000E

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



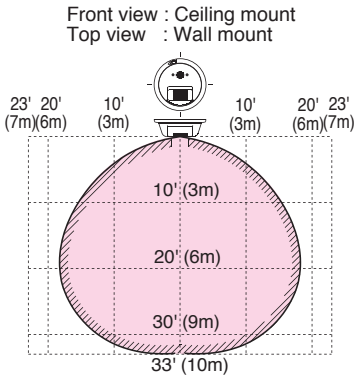
FEATURES

- 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 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)
External Dimensions	120 dia x 40mm (4.72" dia x 1.57")
Weight	200g (7.05oz)

FS-2000E

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



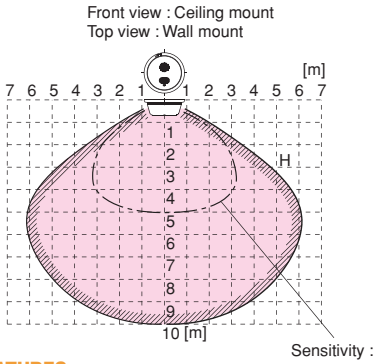
FEATURES

- 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)
External Dimensions	120 dia x 40mm (4.72" dia x 1.57")
Weight	150g (5.29oz)

FS-3500E

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



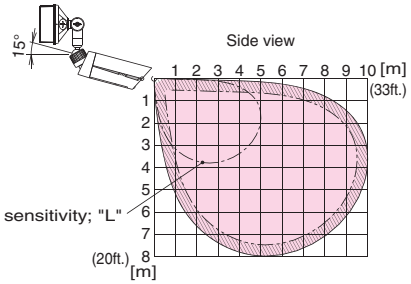
FEATURES

- 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
- 80dM/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: 40mA or less Alarm: 300mA or less
Warning Message	"Japanese" "English" "Chinese" "Korean" "Spanish"
Mounting Position	Ceiling, wall (indoor)
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



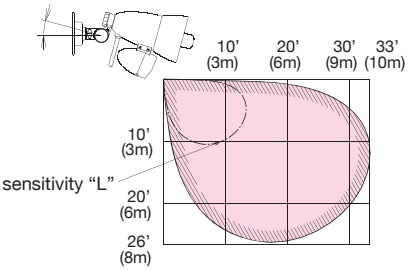
FEATURES

- 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	211 x 72 dia. (8.30" x 2.83" dia.)
IP Rating	43
Weight	550g (19.4oz)

FS-6000E

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



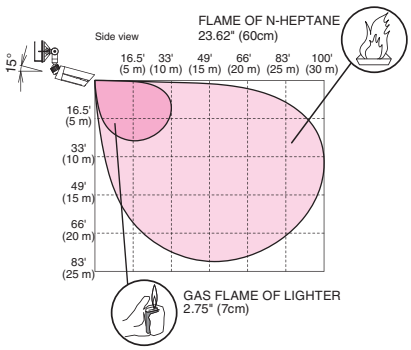
FEATURES

- 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	211 x 72 dia. (8.30" x 2.83" dia.)
IP Rating	33
Weight	1kg (2.2lbs)

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

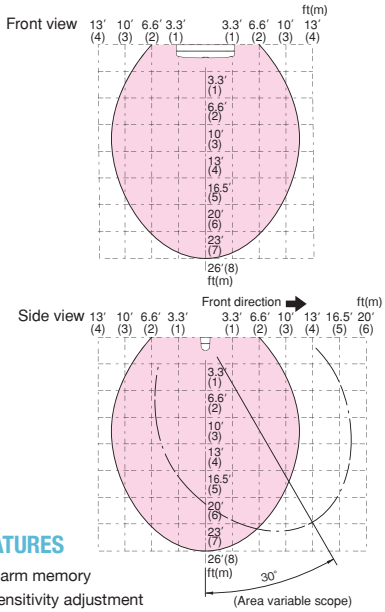
Detection System	Ultraviolet rays detection
Alarm Output	(Blue/White wires) Solid State Switch N.C 3VDC • 0.01A Max Output when detecting Ultraviolet, Real time + delay time 2 sec
Detection Distance	7cm (2.75") gas/lighter flame at 10m (33ft) 60cm (23.62") Flame of n-heptane on fire plate 15 x 15cm (5.91 x 5.91") at 30m (100ft) *The flame size is approximate.
Supply Voltage	(Red/Black wires) 3V DC (CR-123A)
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	211 x 72 dia. (8.30" x 2.83" dia.)
IP Rating	43
Weight	510g (18.0oz)

GLASS BREAK SENSORS

Takex Glass break sensors use Ultrasound to detect cutting as well as breaking glass. The advantage of this device is nothing has to be fitted on the glass itself, and it is possible to cover numerous panes with just one device.

GS-2000E

7m (23ft) x 8m (26ft)



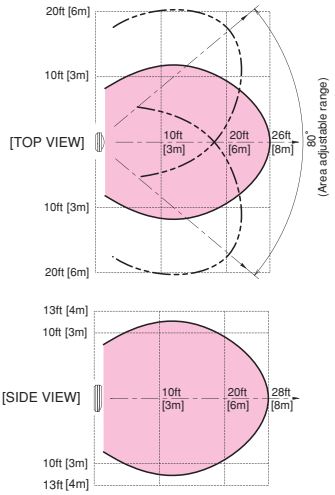
FEATURES

- 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) 0.1 A Max
Supply Voltage	9 to 20V 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 (7.05 x 4.58 x 1.12")
Weight	120g (4.23oz)

GS-1100E

7m (23ft) x 8m (26ft)



FEATURES

- Ulltrasonic type
- Wall mount design
- Easy installation
- Alarm/environmental LED operation check
- Alarm memory function
- Sensitivity adjustment
- Slim and compact 32mm (1.26") profile

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 20V 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)

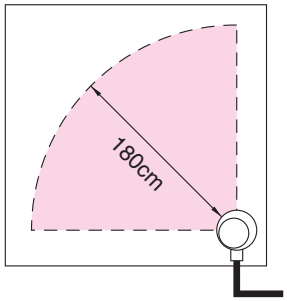
GS-02	GS-02C
straight cord	curled cord

KE-347T

Adhesive

For:

- GS-02/02C



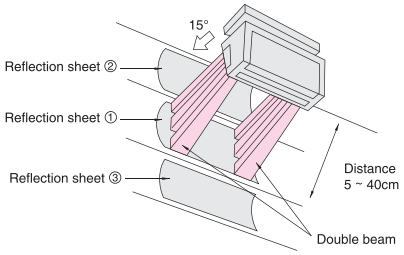
FEATURES

- 180cm (6ft) coverage radius
- Piezoelectric type
- Memory reset function

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 (non-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



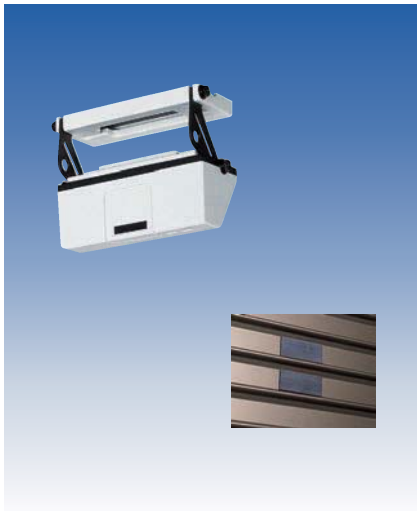
FEATURES

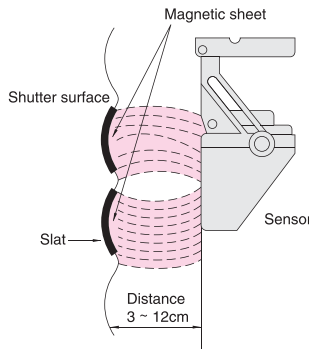
- Double beam
- Built-in operation LED output point
- Built-in attenuation LED

Detection System	Near infrared (refrection type)
Alarm Output	Dry contact relay output: 1C Reset time: 1 to 2sec 30V (AC/DC) 0.3A Max
Supply Voltage	10 to 30V DC (non-polarity)
Current Consumption	35mA
Ambient Temperature	-20°C to +50°C (-4°F to +122°F)
Mounting Position	Shutter case, intel (indoor)
Optionaol	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

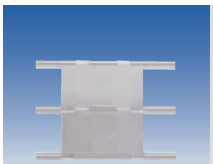
Detection System	Magnetic modulation
Alarm Output	Dry contact relay output: 1c Response time: 1 to 2sec 30V (DC) 0.5A Max
Supply Voltage	10 to 30V (non-polarity)
Current Consumption	38mA
Ambient Temperature	–4°F to +122°F (–20°C to +50°C)
Mounting Position	Shutter (indoor)
External Dimensions - WHD	92x 43 x 36mm (3.62 x 1.69 x 1.41")
Weight	95g (3.35oz)

EG-2000

Operation checker

For:

- GS-1100E
- GS-2000E



BF-S3

Sheet bracket

For:

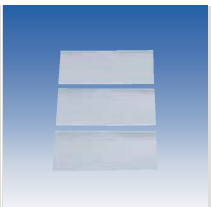
- BR-S3/M5

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:

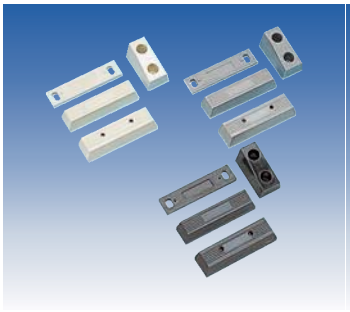
- PR-S3, SH-M5

MAGNETIC SWITCHES

Widely used in the majority of home security systems. It is placed on windows or doors to detect when these fixtures are unwillingly opened.

MG-103S

Operating distance 15mm max



FEATURES

- Testing hole for loop check
- Removable cover with spacer, stopper

Mouting position	Exposed type
Alarm Output	N/C
External Dimensions - WHD	50 x 14 x 12mm (1.97 x 0.55 x 0.47")
Weight	20g (0.7oz)

MG-104S

Operating distance 20mm

FEATURES

- Easy wiring, just only to insert wire into wiring hole, and tighten the screw with spacer, stopper

Mouting position	Exposed type
Alarm Output	N/C
External Dimensions - WHD	48.5 x 11.5 x 9 mm (1.91 x 0.45 x 0.35")
Weight	20g (0.7oz)

MG-104

Operating distance 20mm

FEATURES

- Easy wiring, just only to insert wire into wiring hole, and tighten the screw

Mouting position	Exposed type
Alarm Output	N/C
External Dimensions - WHD	50 x 14 x 12mm (1.97 x 0.55 x 0.47")
Weight	20g (0.7oz)

AMS-9

Operating distance 12mm

FEATURES

- Super miniaturized magnetic switch
- Lead wire type

Mouting position	Exposed type
Alarm Output	N/C
External Dimensions - WHD	25 x 5.5 x 6mm (0.98 x 0.21 x 0.24")
Weight	6g (0.2oz)

AMS-10C

Operating distance 20mm

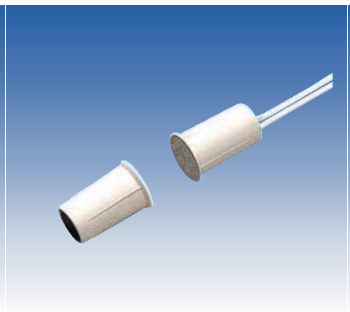
FEATURES

- Miniaturized magnetic switch
- Lead wire type

Mouting position	Exposed type
Alarm Output	N/C
External Dimensions - WHD	33.5 x 8.5 x 14.5mm (1.32 x 0.33 x 0.57")
Weight	16g (0.6oz)

AMS-17

Operating distance 8mm



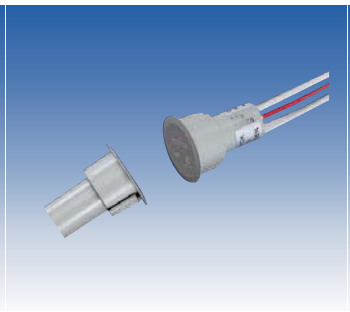
FEATURES

- Super miniaturized magnetic switch
- Lead wire type

Mouting position	Exposed type
Alarm Output	N/C
External Dimensions	11dia x 16mm (0.43 x 0.63")
Weight	10g (0.4oz)

AMS-25B

Operating distance 20mm



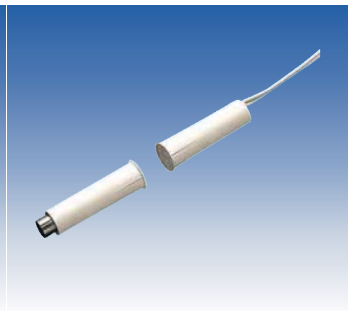
FEATURES

- Lead wire type

Mouting position	Exposed type
Alarm Output	1c
External Dimensions	24dia x 30mm (0.94 x 1.18")
Weight	30g (1.1oz)

AWS-21

Operating distance 30mm



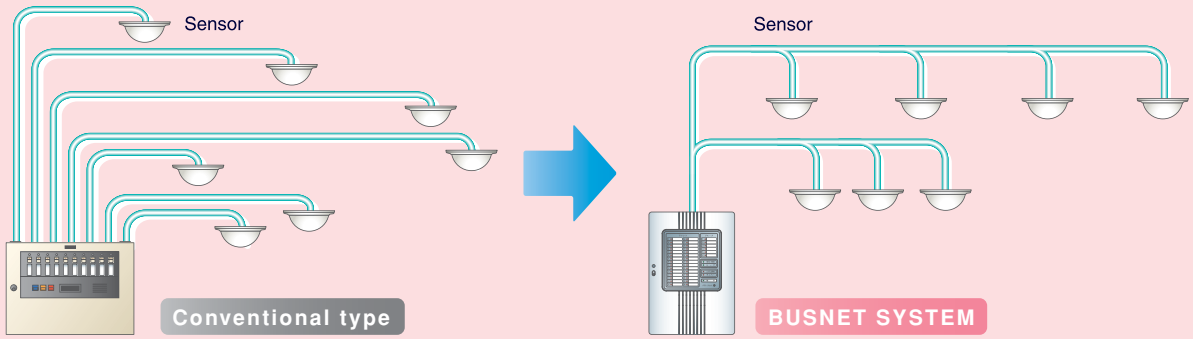
FEATURES

- Magnetic switch for wide gap

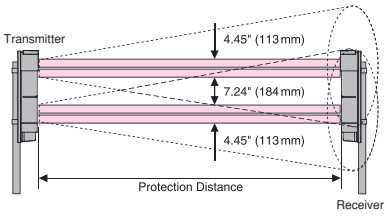
Mouting position		Exposed type
Alarm Output		N/C
External Dimensions	Switch:	11dia x 33mm(0.43 x 1.30")
	Magnet:	11dia x 37mm(0.43 x 1.46")
Weight		18g (0.6oz)

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



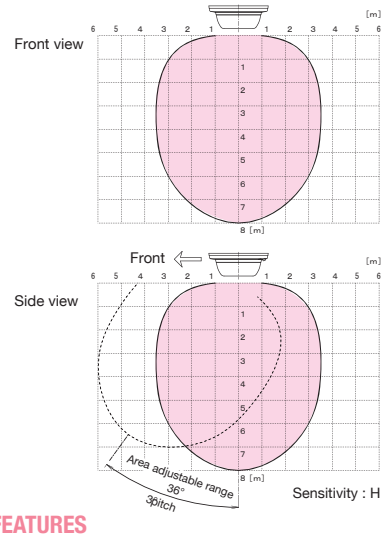
FEATURES

- 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)
- ±90° horizontal ±20° 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)
Transmission signal	Alarm signal, Environmental signal, Tamper signal (Receiver only), Low power supply signal
Supply Voltage	10 to 30VDC (Polarity)
Current Consumption	34 to 38mA when armed, 60 to 68mA Max
Features	• 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 (52.9oz) / 1.55kg (54.7oz)

BUS-G1200
6m (20ft) indoor



FEATURES

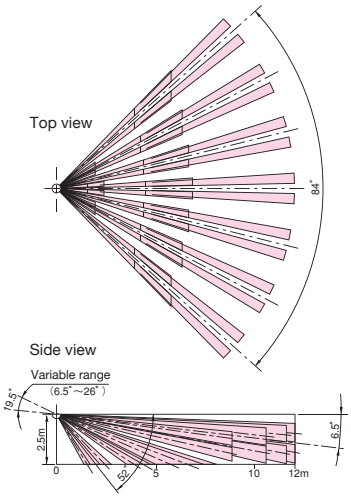
- Alarm memory
- Sensitivity adjustment
- Slim and compact design
- Glass checker EG-2000 available (Optional)

Only for BUSNET

Detection System	Ultrasonic
Transmission signal	Normal status signal, Alarm signal, Low power supply signal
Supply Voltage	9 to 30V DC (polarity)
Current Consumption	45mA less
Ambient Temperature	-15°C to +55°C (-5°F to +131°F)
Mounting Position	Ceiling, wall (indoor)
External Dimensions	125 dia x 40mm (4.92 x 4.57")
Weight	130g (4.6oz)

BUS-6612 BUS-6612W

12m (40ft) wide angle



FEATURES

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

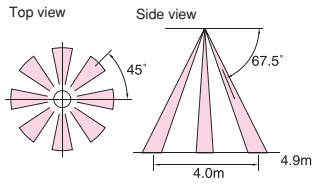
Only for BUSNET

Detection System	Passive infrared (Twin mirror)
Transmission signal	Normal status signal, Alarm signal, Low power supply signal
Supply Voltage	9 to 30V DC (polarity)
Current Consumption	20mA Max
Features	• 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	150 dia x 62 mm (5.90 x 2.44") 125 dia x 60.5mm (4.92 x 2.38")
Weight- 6612/6612W	150g (5.3oz) / 170g (6.0oz)

BUS-6805B BUS-6810B

4m (13ft) spot | 15m (50ft) x 360°

<BUS-6805B>



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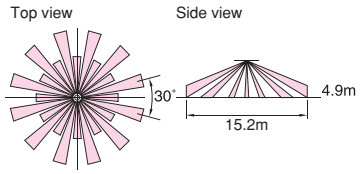


FEATURES

- 2 to 4.9m (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

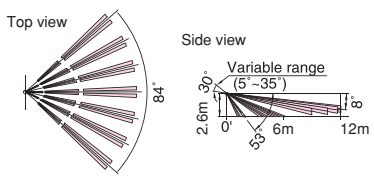
Only for BUSNET

Detection System	Passive infrared (Twin)
Transmission signal	Normal status signal, Alarm signal, Low power supply signal
Supply Voltage	9 to 30V DC (polarity)
Current Consumption	20mA Max
Features	• Alarm memory • Pulse count selectable
Ambient Temperature	-15°C to +55°C (+5°F to +131°F)
Mounting Position	Ceiling, Wall lindoor)
Optional	Ceiling / wall mount attachment
External Dimensions	125dia. x 56.5mm (4.72 dia. x 1.85")
Weight	130g (4.6oz)

BUS-6812B BUS-6820B

12m (40ft) wide angle | 20m (66ft) vertical curtain

<BUS-6812B>



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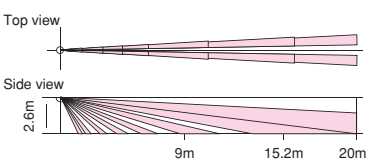


FEATURES

- 2 to 4.9m (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 signal, Alarm signal, Low power supply signal
Supply Voltage	9 to 30V DC (polarity)
Current Consumption	20mA Max
Features	• Alarm memory • Pulse count selectable
Ambient Temperature	-15°C to +55°C (+5°F to +131°F)
Mounting Position	Ceiling, Wall lindoor)
Optional	Ceiling / wall mount attachment
External Dimensions	125dia. x 56.5mm (4.72 dia. x 1.85")
Weight	130g (4.6oz)

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 address (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 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 25V (polarity) Number of connected sensors 31 to 255PCS: DC20 to 28V (polarity)
Current Consumption	1000mA +[Number of sensor]× 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-C630-2/ BUS-C730-2/BUS-C800
- Covers wider protection range since wiring extension is available

Current consumption	150mA+[The number of sensors]×3.5mA
The 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

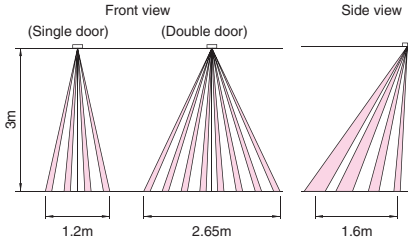
- Used to incorporate contact type sensors, including the glass breakage sensor and/or extension is available magnet switch, in BUSNET (BUS-U1)
- Contact output unit for only BUS-C630-2 / BUS-C730-2
- Outputs at terminal alarm activation and operates a connected device (BUS-D1)

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	-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)

Takex Auto Door sensors use NIR (Near Infrared Reflection) technology, providing the most stable detection method for this application, and allowing continual monitoring of stationary people/objects within the entire coverage area.

DA-303

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



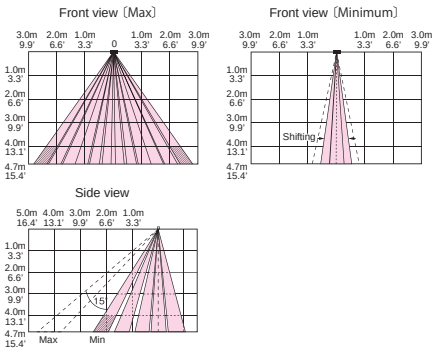
FEATURES

- 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 28mm (1.10") profile
- Suitable for AC/DC operation
- 5 colors model available

Detection System	Near infrared beam direct reflection
Max Installation Height	3m (10ft 10")
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 ±10% 50/60Hz
Current Consumption	AC100V: 2.4VA, AC12V: 1.7VA, AC24V: 1.7VA, DC12V: 40mA, DC12V: 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)

DA-4700

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



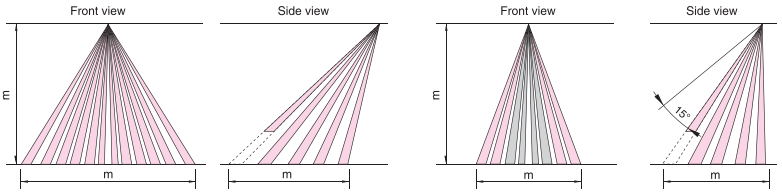
FEATURES

- Auto door sensor suitable for roller shutter
- Near infrared beam type
- High-density detection pattern
- Easy to disable rows to meet any detection requirement
- Dual detection outputs available
- Snow mode prevents malfunction due to falling snow, falling leaves, insects, etc.
- On delay function decreases useless door operation (2 sec for rows 4/5)
- Stationary detection selectable (4 pattern in 1/2/3 row, 2 patterns in 4/5 row)
- Suitable for AC/DC operation

Detection System	Near infrared beam direct reflection
Max Installation Height	4.7m (15.42ft)
Area Adjustable Angle	Main body adjustable angle: 0° to +15° Depth: 1 line Width: adjustable by area switch
Supply voltage	12 to 24V AC or DC± 10%
Current Consumption	2.5VA for 12V AC 2.5VA for 24V AC 140mA for 12V DC 65mA for 24V DC
Alarm Output	Output 1 : Dry contact relay output N.C./N.O. (Selectable) 50V DC : 0.1A(resistive load) No.1,2,3,4,5 row detect or No.4,5 row detect sel Output 2 : Dry contact MOS relay output N.C 50V DC : 0.1A(resistive load) Only No.1,2,3 row detect *Fail-Safe
Output Holding Time	Approx. 0.5 seconds
Stationary Detection Time	2,15,60/sec, Infinity at No.1,2,3 row 2,15/sec at No.4,5 row
Ambient Temperature	-20°C to +60°C (-4°F to +140°F)
External Dimensions - WHD	265x 61 x 37.5mm (10.43 x 2.40 x 1.48")
Weight	290g (10.2oz)

SHA-6501

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



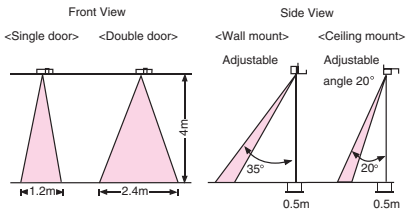
FEATURES

- Auto door sensor suitable for roller shutter
- Near infrared beam type
- High-density detection pattern
- Easy to disable rows to meet any detection requirement
- Remote controller available (optional) useful for high mounting operation
- Directional detection (4 patterns) decreases useless door operation
- Width of the detection area can be adjusted precisely by the area adjustment gears.
- Combination of stationary detection (4 patterns selectable for 2 rows near shutter) and stationary or motion detection (selectable for 3 rows outside) secure safe detection.

Detection System	Near infrared beam direct reflection
Max Installation Height	6.5m (21ft)
Area Adjustable Angle	Max 15°
Supply voltage	12 to 24VAC or DC ±10% 50/60Hz
Current Consumption	2.8VA for 12V AC 2.8VA for 24V AC 180mA for 12V DC 90mA for 24V DC
Alarm Output	①Dry contact relay output N.C./N.O. (all rows) ②Dry contact relay output N.C./N.O. (row 1.2) 50V DC 0.1A (resistive load)
Ambient Temperature	-20°C to +60°C (-4°F to +140°F)
External Dimensions - WHD	321 x 101.8 x 90.5mm (12.64 x 40.1 x 3.56")
Weight	830g (29.28oz)

PS-520E

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



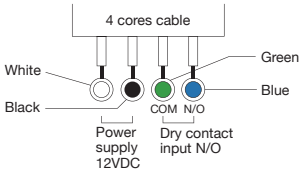
FEATURES

- 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: 2c 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)

AV-100E

N.O. input for activation



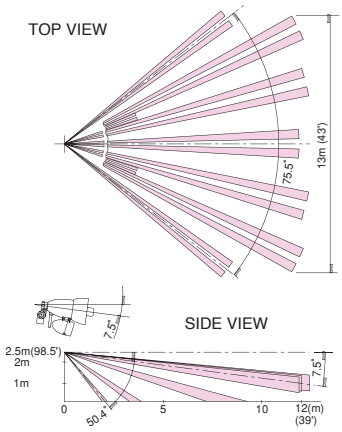
FEATURES

- 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 x6.77 x11.38")
Weight	1.0kg (2.2lb)

PV-12

12m (40ft) x 75°



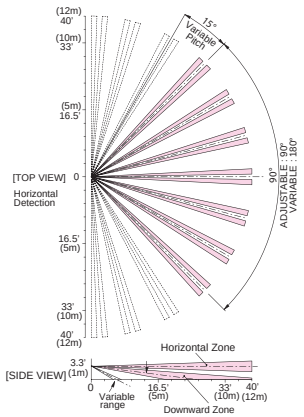
FEATURES

- 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 (39ft 4") max.
Supply Voltage	10 to 14VDC
Voice Output	Max 100dB/2W
Alarm Output	Dry contact relay output: 1c Reset time: approx. 8 sec 30V (AC/DC) 0.5A
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 x6.77 x11.38")
Weight	1.0kg (2.2lb)

PVW-12TE

12m (40ft) x 90°



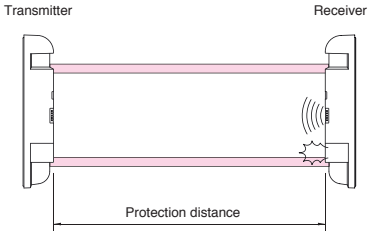
FEATURES

- 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 (39ft 4") 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 (1.0lb)

PBS-15T

15m (49ft) outdoor



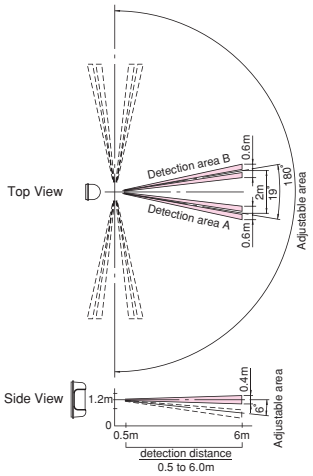
FEATURES

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

Detection System	Simultaneous breaking of 2 beams
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 conscious 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 5 min) 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 2.75")
Weight	220g (7.8oz)

NOTES

A
AMS-10C 30
AMS-17 30
AMS-25B 30
AMS-9 30
AV-100E 36
AWS-21 30

B
BA-6SLA 8
BCW-401 19·25
BF-S3 29
BH-200 13
BL-10 13
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