

TAKEX

SECURITY <SENSOR>

BATTERY OPERATED
TRIPLE MIRROR SENSOR

PIR-T40NR(W)/(BL)

VERTICAL CURTAIN PROTECTION
UP TO 135' (40m) x 10.5' (3.2m)

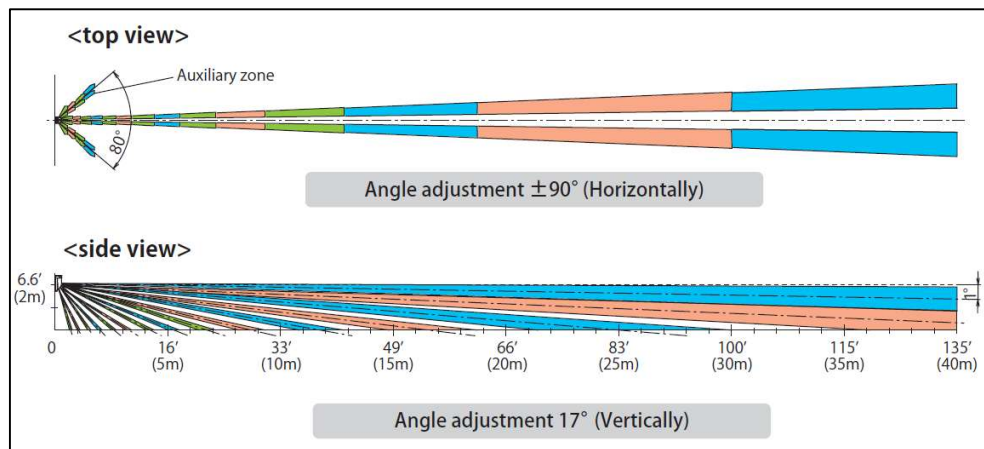
The Battery operated PIR for outdoor application integrating unique triple mirror optical system and signal processing technology to eliminate nuisance and lost alarms



FEATURES

- Operated with SAFT lithium-thionyl battery LS33600 (3.6VDC) x 1 or 2 pcs
- Compatible with numerous wireless transmitter unit
- 4 Selectable operation modes; low/high/middle positions and high density
- 6.6' (2m) to 20' (6m) Installation height (depending on operation mode)
- High performance triple mirror optical system
- Precise detection area adjustment function
- Lightning surge protection
- Suitable for indoor and outdoor use (IP55)
- Available in white(W) and black(BL) color

[Detection area]

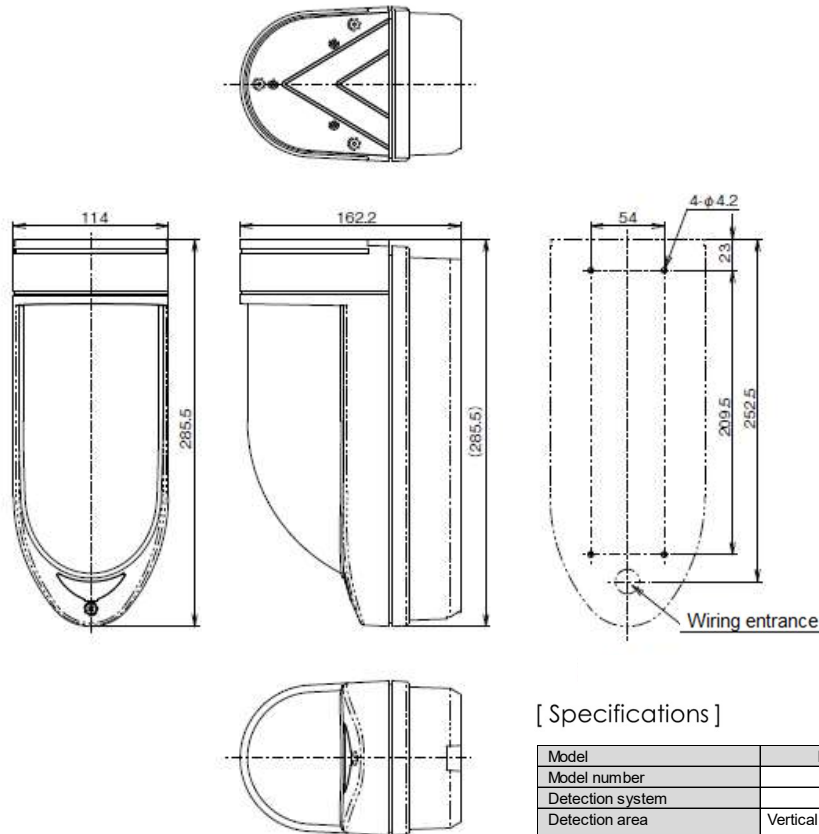


In the setting of installation
height : 6.6' (2.0m)
distance : 135' (40m)

[Operation modes]

Normal operation		Specialised operation	
Low position mode	Middle position mode	High density mode	
Height : 6.6' (2.0m) ~ 8.3' (2.5m)	Height : 8.3' (2.5m) ~ 11.5' (3.5m)	Height : 6.6' (2.0m) ~ 20' (6.0m)	
High position mode Height : 11.5' (3.5m) ~ 13' (4.0m)			
Maximum detection distance Low position mode : 135' (40m) Middle position mode : 115' (35m)	Maximum detection distance : 100' (30m)	Maximum detection distance : 150' (45m)	
Rotating the mirrors horizontally by 90° allows intrusion detection along a wall.	Installing in a high position can minimize the blind area	Installing the sensor in a high position will not obstruct the path of vehicles for traffic reminder systems.	The long vertical curtain detection zone matches the lighting control for energy saving in factory or warehouse with tall shelving.

[External dimensions] (Unit : mm)



[Specifications]

Model	BATTERY OPERATED TRIPLE MIRROR PASSIVE SENSOR
Model number	PIR-T40NR (W) / (BL)
Detection system	Passive infrared (Triple mirror)
Detection area	Vertical curtain protection Detection distance : Max 45m(150'), 46rays(23pairs)
Power supply	SAFT lithium-thionyl battery LS33600(3.6VDC) x 1 or 2 pcs
Battery life	Approx. 3 years (at normal temperature, 100 times transmission/day with 1 battery)
Contact operation	- Alarm output : when detecting intrusion - Tamper output : cover monitor error - Alarm + Tamper : self diagnosis error/alignment position error - Periodic transmission : fixed time interval - Low battery : when occurring (output by alarm/periodic transmission)
Alarm output	Contact method : Dry semi-conductor contact, N.C. Contact capacity : 3.6V DC 0.01A (resistive load)
Tamper output	Contact method : Dry semi-conductor contact, N.C. Contact capacity : 3.6V DC 0.01A (resistive load)
Low battery output	Contact method : Dry semi-conductor contact, N.C. Contact capacity : 3.6V DC 0.01A (resistive load)
Alarm LED	Red LED : Blinks during warm up Lights up when detection intrusion (only in test mode) Continuously blinks in the event of cover monitor error Continuously blinks in the event of alignment position error Continuously blinks in the event of self diagnosis error Continuously blinks in the event of low battery error
LED area checker	Red/Green LED : Continuously blinks in the event of alignment position error
Functions	Sensitivity selection, Operation mode selection, Self diagnosis, Low battery monitoring, Temperature compensation, LED area checker/ Alignment position monitoring, Environmental adjustment, Creep zone detection, Walk test
Mounting height	2.0 to 6.0 m (varies depending on operation mode) - Low position : 2.0 to 2.5m (Max. detection distance : 40m) - Middle position : 2.5 to 3.5m (Max. detection distance : 35m) - High position : 3.5 to 4.0m (Max. detection distance : 30m) - High density : 2.0 to 6.0m (Max. detection distance : 45m)
Area angle adjustment	Horizontally ±90° (in 5° steps) Vertically 17° (without steps)
Ambient temperature range	-20 to +60°C (no condensation and freezing) (Battery performance may deteriorate below 0°C or above +40°C.)
Mounting position	Indoor / outdoor wall (mountable on pole/ceiling using optional accessories)
IP rating	IP55
Weight	Approx. 850g (30oz) (excluding batteries)
Appearance	Body/Window : Resin (white)

*Specifications are subject to change without notice.

[Options]

● Pole attachment
<BP-32 >

● Pole attachment
<BP-02 >

● Ceiling attachment
<KP-32 >



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