

* Refer to "9 OPTIONS" on page 4.

Both Transmitter and

Receive

_

No

Need

1 set

2 sets

2 sets

From detector battery

From independence battery





5-2 OPERATION CHECK

After installation is complete, be sure to check the operation.

- Make sure that the Alarm/Level indicator LED is OFF.
 If it is illuminated even when the beams are not blocked, make optical alignment again.
- 2 Check that the Power/Low battery indicator LEDs on both transmitter and receiver are ON. If the Power/Low battery indicator LED is blinking, the battery power is low. Replace with new batteries.
- 3 Conduct a walk test to check that Alarm/Level indicator LED on the receiver turns ON as the walker interrupts the beams.

6 TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
Power/Low battery indicator LEDs are not illuminated. (transmitter/receiver)	Reversed battery polarity.	Check the battery polarity.
Alarm is not output.	Reflection from the floor or wall.	Align beams away from the floor or wall
Alam is not output.	Beam has not been blocked.	Block all two beams.
When the beam is blocked, the "ALARM" indicator LED is illuminated but the alarm is not activated.	Signal line short-circuited	Check the wiring.
Alarm is activated even if the light is not blocked.	Interruption time is too short.	See "4-1 BEAM INTERRUPTION ADJUSTMENT" on page 3, set an appropriate interruption time.
	Surface of Transmitter/Receiver cover soiled.	Clean the cover (wipe the cover with a soft cloth dampened with water or diluted neutral detergent).
	Optical alignment was not performed properly.	See "4-2 OPTICAL ALIGNMENT" on page 3 and make realignment.
Batteries are running out too quickly.	Problem with tamper output.	Set the cover properly.
Frost, snow or heavy rain causes false alarm.	Optical alignment not optimized.	See "4-2 OPTICAL ALIGNMENT" on page 3 and make realignment.
Improper output	Problem with wiring.	Install the correct wiring.
Even if new batteries are used, Low battery indicator LED is ON.	Batteries are inactive condition.	Open and close the battery cover 20 times with two seconds intervals. After this, open the battery plate and then close it.

Transmitter Receiver

Be sure to conduct a walk test at the following three points: A. In front of the transmitter

B. In front of the receiver

C. At the mid point between the transmitter and receiver

The detector is installed properly when Alarm/Level indicator LED turns ON in the tests at all the three points.

7 DIMENSIONS



9 OPTIONS

BCU-5 Battery Common use Unit (2 units/set)

Share power source and low battery signals between the main unit and the wireless transmitter.



CRH-5 CR123A Battery Holder (2 units/set)

Battery holder when using CR123A as a power source



PCU-5 Power Convertor Unit (1 unit/set, battery is sold separately.) Voltage convertor unit used to enable wired operation of the detector



NOTE

These units are designed to detect an intruder and activate an alarm control panel. Being only a part of a complete system, we cannot accept responsibility for any damages or other consequences resulting from an intrusion. These products conform to the EMC Directive 2004/108/EC.

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8 SPECIFICATIONS

Model			SL-100TNR	SL-200TNR	
Maximum detection range		range	30 m/100 ft.	60 m/200 ft.	
Maximum arrival distance		tance	265 m/800 ft.	530 m/1740 ft.	
Detection method		d	Twin infrared beam interruption detection		
Interruption time		;	Variable between 50/100/250/500 ms (4 steps)		
Power source			3.9 VDC D size lithium batteries Each Transmitter and Receiver: 2 units (SB-D02HP manufactured by VITZROCELL) 3.0 VDC CR123A lithium batteries Each Transmitter and Receiver: 8 units (OPTION CRH-5: 2unit) Content Content Content		
Current draw (stand by /at 25°C)		3.9 VDC		Total: Approx. 500 μA Transmitter: Approx. 200 μA Receiver: Approx. 300 μA	Total: Approx. 600 μA Transmitter: Approx. 300 μA Receiver: Approx. 300 μA
		3.0 VDC		Total: Approx. 600 μA Transmitter: Approx. 200 μA Receiver: Approx. 400 μA	Total:Approx. 700 μATransmitter:Approx. 300 μAReceiver:Approx. 400 μA
	SB-D02HP by VITZROC		Transmitter	Approx. 6 years	Approx. 5 years
Duttory		OCELL	Receiver	Approx. 5 years	Approx. 5 years
life * **	CRH-5 (CR123A	R123A	Transmitter	Approx. 1.5 years	Approx. 1 year
	by Panasonic)		Receiver	Approx. 1 year	Approx. 1 year
Output	Alarm output			Form C-Solid State Switch: 3.9 VDC, 0.01 A	
	Alarm period			2 s (±1)	
	Low battery output		out	N.C. (Solid State Switch): 3.9 VDC, 0.01 A	
	Cover tamper output (Receiver)		tput	N.C. (Solid State Switch): 3.9 VDC, 0.01 A Opens when the battery cover removed.	
Indicator LED	Alarm/ Level indicator (Receiver)		cator	ON: Beam not received Blinking: Beam not received sufficiently OFF: Beam received	
	Power/ Low battery indicator (Transmitter and Receiver)			ON: Power ON Blinking: Voltage reduction OFF: Power OFF	
Operating temperature		ure	-20°C to +60°C (-4°F to 140°F)		
Operating humidity		у	95 % (max.)		
Alignment angle				±90° Horizontal, ±5° Vertical	
Dimension			H × W × D mm (inch): 295 (11.6) × 69 (2.7) × 117 (4.6)		
Weight			1200 g (Total weight of Transmitter + Receiver, excluding accessories)		
	ternational			IP65 change without prior notice.	

Specifications and design are subject to change without prior notice.

* The value is based on the condition that it is used within the ambient temperature range of 20 to 25°C

** Using batteries other than those recommended may shorten the battery life.



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