



Photoelectric Beam Sensor
ACTIVE INFRARED SENSOR

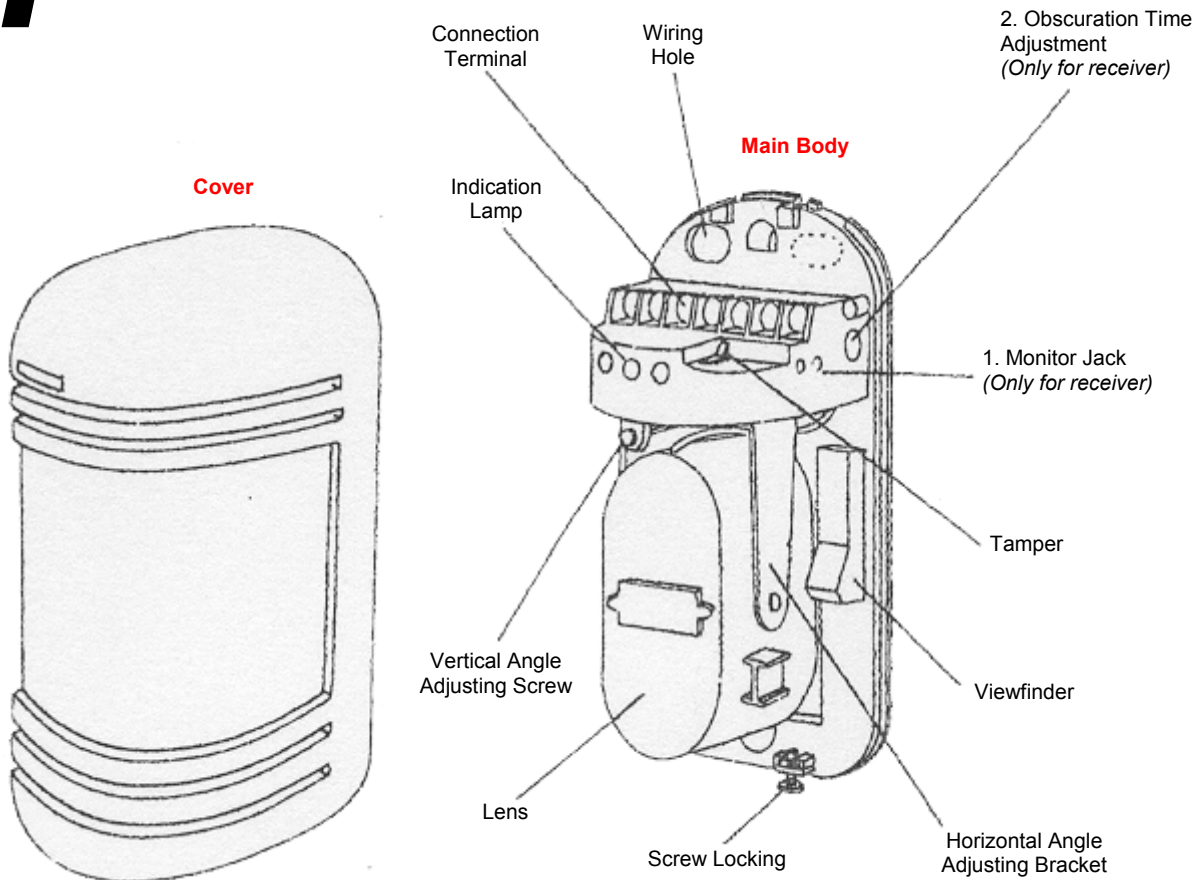
Instruction Manual

ABT-30 (Outdoor 30m., Indoor 90m.)
ABT-60 (Outdoor 60m., Indoor 180m.)
ABT-80 (Outdoor 80m., Indoor 240m.)
ABT-100 (Outdoor 100m., Indoor 300m.)

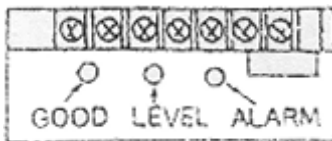
ALEPH INTERNATIONAL CORPORATION

Phone: (800) 423-5622 Fax: (818) 365-7274 <http://www.aleph-usa.com> info@aleph-usa.com

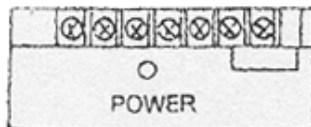
1 PARTS DESCRIPTION



1. Indication Lamp



Receiver



Transmitter

Receiver:

- Level (Red)
Brightness varies, depending on incident level.
- Alarm (Red)
On indicated alarm.
- Good (Green)
On indicates normal conditions, beam aligned.

1. Monitor Jack:
Should be used for making the optimum optical axis adjustment.
(Refer to "how to use monitor jack")
2. Obscuration time adjustment:
To be used for setting the obscuration time to alarm.
(Refer to "adjustment of obscuration time")

Transmitter

- Power (Green)
On indicates power is normal.

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8 SPECIFICATIONS

Model		ABT-30	ABT-60	ABT-80	ABT-100
Protection Distance	Indoor	30 m	60 m	80 m	100 m
	Outdoor	90 m	180 m	240 m	300 m
Max. Arrival Distance		360 m	650 m	800 m	1100 m
Infrared Beam		2 Beams			
Detection System		Simultaneous cut-off of 2 beams			
Light Source		Infrared LED			
Response Time		50-700 m/sec			
Alarm Signal		Form 'C' (SPDT) relay contacts Rating: 0.5A max at 30 VAC, DC			
Supply Voltage		DC 10.5 - 28V			
Current Consumption		40 mA Max.	55 mA Max.	65 mA Max.	65 mA Max.
Temperature Range		-25°C - 55°C			
Dimensions (H X W X D)		171 X 82 X 77 mm			
Tamper Range		Form 'B' (SPST) relay contacts			
Optical Axis Adjustable Angle (Horizontal)		180° (±90°)			
Optical Axis Adjustable Angle (Vertical)		20° (±10°)			
Collimator		Viewfinder with peep window			
Measure for Moisture/Frost		Sit type cover			
Other Additional Functions		Alignment LED and Monitor Jack			
Material		ABS Plastic			
Weight		300 g (Transmitter & Receiver)			

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