



# Photoelectric beam detector

## ABT2-40/60/80/100



### ■ Features

#### Inner two-color design

Adopt orange color for the lens frame and terminals, special and elegant.



#### Distance between beams:135mm

Distance between beams from 98mm to 135mm. Better to avoid false alarm



#### Intelligent LED indicator

Debug intelligent LED indicator uses precise digital control technology, convenient to indicate alignment signal degree.



#### Ultra-high-power military grade tubes

It ensures the infrared emission distance and life.



#### Non-spherical lens

Non-spherical lens made by acrylic optical material. Double and accurate focusing, long IR transmit distance.



#### “Little window” design

New designed window, no longer need to remove the shell to check the inside status.



#### Manual adjustment for vertical angle

More accurate and convenient



#### Microprocessor control (CPU)

Realize real digital circuit.



#### Heater reserve position

Temperature below 0°C, built-in temperature control broad working with heater makes sure detector still normally works.





- Full time NC/NO relay output, compatible with other brand burglar alarm systems such as HONEYWELL, BOSCH, Paradox, GE and DSC, etc.
- Easy alignment with visual LED indicator.
- Digital frequency conversion
- PC engineering plastic material
- Professional waterproof design with the rubber seal around
- Resistant to rain, fog, snow and frost.
- IP degree: IP65.
- Adopt microprocessor control (CPU), real digital circuit.
- Built-in automatic adjustable strong light filtering system (up to 50,000 LUX), Good performance against direct sunlight, completely against fluorescent and car light
- AGC circuit, the detector will automatically increase sensitivity when faced harsh environment.
- Horizontal / vertical optical angle can be easy to adjust

## ■ Parameters

Model	ABT2-40	ABT2-60	ABT2-80	ABT2-100
Detecting distance (outdoor)	40m	60m	80m	100m
Detecting distance (indoor)	120m	180m	240m	300m
Detection method	Simultaneous interruption of 2 infrared beams			
Response speed	12-250msec			
Alarm output	Switch signal output(NO/NC)			
Power and Voltage	DC12~24V; AC11-18V			
Current consumption	100mA MAX			
Operating temperature	-25°C—55°C			
Humidity	95% MAX			
Tamper	NC. 1C contact output , DC26V/0.5AMax.			
IP rating	IP 65			
Exterior dimension	80mm*77mm*195mm			
Weight	1.0kg			



# Photoelectric beam detector: ABE2

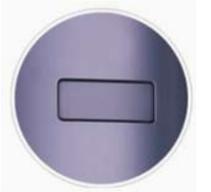
## ABE2-50/100/150/200/250



### ■ Features :

#### “Little window”design

New designed window,no longer need to remove the shell to check the inside status.



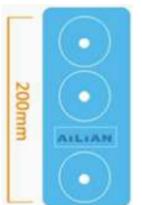
#### LED alignment signal indicator

Using LED tube indicator to display alignment degree.



#### Distance between deams:200mm

Distance between beams from 170mm to 200mm. Better to avoid false alarm.



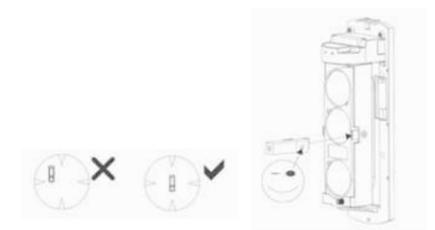
#### Intelligent heating function

Built-in temperature control broadworking with heater will automatically heat the detector, when temperature is below 0°C.



#### Sight aiming telescope

Convenient for customers to align the detector



#### Four channel frequency conversion technology

Four channel frequency technology solves infrared correlation interference problems





- NC/NO relay output, compatible with other brand burglar alarm systems

such as HONEYWELL, BOSCH, Paradox, GE and DSC, etc. .

- Easy alignment with visual LED indicator.
- PC engineering plastic material.
- Resistant to rain, fog, snow and frost.
- IP degree: Ip65.
- Built-in automatic adjustable strong light filtering system  
(up to 50,000 LUX), Good performance against direct sunlight,  
completely against fluorescent and car light.
- AGC circuit, the detector will automatically increase sensitivity when  
faced harsh environment.
- Horizontal / vertical optical angle can be easy to adjust.

## ■ Parameters:

Model	ABE2-50	ABE2-100	ABE2-150	ABE2-200	ABE2-250
Detecting distance (outdoor)	50m	100m	150m	200m	250m
Detecting distance (indoor)	150m	300m	450m	600m	750m
Detection method	Simultaneous interruption of 3 infrared beams				
Response speed	50-700msec				
Number of beams	3 beams				
Alarm output	Switch signal output(NO/NC)				
Power and Voltage	DC12~24V ; AC11-18V				
Current consumption	100mA Max.				
Operating temperature	-25°C—55°C				
Humidity	95% MAX				
Tamper	NC. 1B contact output, DC30V/0.5A Max.				
Exterior dimension	90mm*100mm*270mm				
Weight	1.9kg				



# Photoelectric beam detector

ABH-50L/100L/150L/200L/250L



### ■ Features:

- NC/NO relay output, compatible with other brand burglar alarm systems such as HONEYWELL, BOSCH, Paradox, GE and DSC, etc.
- Digital DSP chip control circuit to reduce false alarm
- Easy alignment with visual LED indicator.
- PC engineering plastic material.
- Resistant to rain, fog, snow and frost.
- IP degree: Ip65.
- Built-in automatic adjustable strong light filtering system (up to 50,000 LUX), Good performance against direct sunlight, completely against fluorescent and car light.
- AGC circuit, the detector will automatically increase sensitivity when faced harsh environment.
- Horizontal / vertical optical angle can be easy to adjust

### ■ Parameter:

Model	ABH-50L	ABH-100L	ABH-150L	ABH-200L	ABH-250L
Detecting distance(outdoor)	50m	100m	150m	200m	250m
Detecting distance(indoor)	150m	300m	450m	600m	750m
Detection method	Simultaneous interruption of 4 infrared beams				
Number of beams	4 beams				
Response speed	35-700msec				
Alarm output	Switch signal output(NO/NC)				
Power and Voltage	DC12~24V ; AC11-18V				
Current consumption	105mA Max.				
Operating temperature	-25°C—55°C				
Tamper	NC. 1B contact output, DC26V/0.5A Max.				
Exterior dimension	110mm*105mm*345mm				
Weight	2.8kg				