

DUAL BEAM DETECTOR

Features

- ◆4 frequencies selectable for long distance and stacking installation.
- ◆Double-precision digital display signal strength.
- ◆Interruption time adjustable, user can adjust it according to environment and scenes.
- ◆Intelligent heating function, effectively eliminate ice and frost, adapt to harsh environment.
- ◆Progressively infrared signal processing functions (comparable with AGC function) to ensure the item work in wind, frost, snow, fog, moisture, direct sunlight and other bad weather.
- ◆Digital CPU control circuit to control the transmitter and receiver.
- ◆Optional assisting equipment for alignment infrared beam, improving the efficiency.
- ◆Wide range voltage design, power supply between AC/DC12-24V, easy for centralized power supply.
- ◆A variety of applications C relay outputs.
- ◆Tamper switch, open if the cover is removed.
- ◆Waterproof grade: IP65
- ◆Alignment angle horizontally $\pm 90^\circ$, vertically $\pm 10^\circ$

Specifications

Model		ABT-40	ABT-60	ABT-80	ABT-100
Detection Range	Outdoor	40m	60m	80m	100m
	Indoor	120m	180m	240m	300m
Maximum Arrival Distance		250m	350m	500m	600m
Detection Method		Simultaneous interruption of 2 infrared beams			
Interruption Time		50ms, 100ms, 300ms, 700ms (selectable)			
Frequencies		4 different channels selectable			
Power Supply		DC/AC 12~24V			
Current Consumption		70mA max	75mA max	80mA max	85mA max
Alarm Period		$\geq 1.5\text{sec}$			
Alarm Output		1C. relay output (AC/DC30V, 1.0A max)			
Tamper Switch		NC, opens when cover removed			
Protection Degree		IP65			
Operating Temperature		-25°C to $+55^\circ\text{C}$			
Environment Humidity		95% max			
Alignment Angle		Horizontal $180^\circ(\pm 90^\circ)$, Vertical $20^\circ(\pm 10^\circ)$			
Mounting		Outdoor or indoor, Wall or Pole			
Material		PC engineering plastic			
Dimension (L*W*H)		212*80*75mm			
Weight (Transimtter and Receiver)		1000g			
Attachments	U bracket	2pcs, 70.4*37.5*21.5mm, $\delta=1.5\text{mm}$, stainless steel			
	Pole mounting srew	4pcs, PM4*30mm			
	Wall mounting screw	4pcs, PM4*25mm			
	Expansion pipe	4pcs, $\Phi 7*27\text{mm}$, green			
	Installation paper	2pcs, W85*H220mm			
Heaters (additional purchase)	Voltage	12V			
	Current	200mA max			
	Temperature	$+70^\circ\text{C}$			

Note: When environment temperature lower than -20°C , please use heaters to ensure normal working. Heater is non-polarized.

TRIPLE BEAM DETECTOR

Features

- ◆Selectable frequency 4 channels : Stacking, Straight line, Square or other various applications are allowed.
- ◆Professional waterproof design with rubber seal around, anti-rain, snow, dew, mist, frost etc, IP65 ingress protection.
- ◆Triple beam: interval of 3 beams is 20cm, improves the ability of anti-false alarms.
- ◆Intelligent temperature control system, pre-set heater terminals.
- ◆Environment adaptive function, according to external environment changes, timely adjust to adapt the state, reduce the false alarms rate.
- ◆AGC circuit, the detector will automatically increase sensitivity when faced harsh environment.
- ◆Horizontal $\pm 90^\circ$ / vertical $\pm 10^\circ$ optical angle can be easy to adjust.
- ◆LED display signal grade for easy alignment.
- ◆Adopt digital DIP technology, frequency, sensitivity, indicator and operation power can be adjusted through DIP switches.

Specifications :

Model		ABE-50	ABE-100	ABE-150	ABE-200	ABE-250
Outdoor Range	Outdoor	50m	100m	150m	200m	250m
	Indoor	150m	300m	450m	600m	750m
Maximum Arrival Distance		300m	600m	900m	1200m	1500m
Detection Method		Simultaneous interruption of 3 infrared beams				
Interruption Time		50msec, 100msec, 300msec, 700msec (selectable)				
Beam frequency		4 channel selectable				
Power Supply		DC12~24V; AC11~18V				
Current Consumption		70mA max	80mA max	90mA max	100mA max	110mA max
Alarm Period		2sec (± 1)				
Alarm Output		1C. relay output (AC/DC30V, 0.5A max)				
Tamper Switch		NC, opens when cover removed				
Operating Temperature		-25°C to $+55^\circ\text{C}$				
Environment Humidity		95% max				
Alignment Angle		Horizontal $180^\circ(\pm 90^\circ)$, Vertical $20^\circ(\pm 10^\circ)$				
Mounting		Wall or Pole				
Protection Degree		IP65				
Material		PC engineering plastic				
Dimension (L*W*H)		92*90*291mm				
Weight (Transmitter and receiver)		1500g				
Heaters (additional purchase)	Voltage	12V				
	Current	200mA max				
	Temperature	$+70^\circ\text{C}$				

Note: When environment temperature lower than -20°C , please use heaters to ensure normal working. Heater is non-polarized.

QUAD BEAM DETECTOR

Features

- ◆NC/NO relay outputs, compatible with other brand alarm systems like Honeywell,Bosch, Paradox,DSC,and GE etc.
- ◆Digital filter technology,well performance against direct sunlight,fluorescent and car light.
- ◆Integrated tamper switch, truns on when cover is moved.
- ◆Different frequencies selectable for long distance and stacking installation.
- ◆LED display signal grade for easy alignment.
- ◆Wide voltage and energy-saving design.
- ◆Adjustable interruption time (50/100/300/700msec optional)
- ◆IP65 waterproof grade
- ◆Alignment angle horizontal $\pm 90^\circ$,vertical $\pm 10^\circ$.
- ◆Anti-RFI interference, high environment adaptability to eliminate false alarms.

Specifications

Model		ABH-50L	ABH-100L	ABH-150L	ABH-200L	ABH-250L
Outdoor Range	Outdoor	50m	100m	150m	200m	250m
	Indoor	150m	300m	450m	600m	750m
Maximum Arrival Distance		300m	600m	900m	1200m	1500m
Detection Method		Simultaneous interruption of 4 infrared beams or a group of 2 infrared				
Interruption Time		50msec, 100msec,300msec,700msec (corresponding to 20,21,22,23)				
Beam frequency		4 channel selectable (corresponding to 10,11,12,13)				
Power Supply		DC12~24V; AC11~18V (12VDC recommendable)				
Current Consumption		70mA max	80mA max	90mA max	100mA max	110mA max
Alarm Period		2sec (± 1)				
Alarm Output		1C. relay output (AC/DC30V, 0.5A max)				
Tamper Switch		NC, opens when cover removed				
Operating Temperature		-25 $^\circ$ C to +55 $^\circ$ C				
Environment Humidity		95% max				
Alignment Angle		Horizontal 180 $^\circ$ ($\pm 90^\circ$), Vertical 20 $^\circ$ ($\pm 10^\circ$)				
Mounting		Wall or Pole				
Protection Degree		IP65				
Material		PC engineering plastic				
Dimension (L*W*H)		92*90*291mm				
Weight (Transimtter and		2200g				
Heaters (additional purchase)	Voltage	12V				
	Current	200mA max				
	Termpperature	+70 $^\circ$ C				

Note: When environment temperature lower than -20 $^\circ$ C, please use heaters to ensure normal working. Heater is non-polarized.