



## MODEL : ABT

### ABT Series 2 Beams Digital Active Infrared Detector

- Resist to strong light , up to 50,000Lux , With built-in automatic adjustment strong light filtering system , to avoid being affected by strong sunshine and the light of automobiles .
- Unique optical design : photoelectric beam is able to penetrate through multi layers of glass with special environment distinguishing circuit (EDC).
- Fully protected by integrated structural design , which allows the equipment to operate normally in severe conditions – rainproof , anti-fogging , resist to dust and insects .
- Fresnel lens and a spherical lens are available for choices , in which Fresnel lens can emit a wider beam .
- Modules design facilitates the addition or stack of the detector .
- With high anti-RFI / EMI capability .
- The beam blocking time can be adjusted to make it more flexible and effective .
- Detection range : depending on different model (refer to the table below) .

Model		ABT-20	ABT-30	ABT-40	ABT-60	ABT-80	ABT-100
Alert	(outdoor)	20m	30m	40m	60m	80m	100m
Distance	( indoor)	60m	95m	120m	180m	240m	300m
Number Of Beams		2 Beams					
Detection Mode		2 beams blocked simultaneous					
Optical Source		Infrared digital pulse beam					
Response Time		50 ~700m sec , adjustable					
Alarm Output		Relay contact output : N.O. or N.C. Contact capacity : AC/DC 30V 0.5A max					
Power Supply		DC 13.8 ~24V , AC11-18 V					
Power Consumption		40mA max	40mA max	55mA max	55mA max	65mA max	65mA max
Range Of Operating Temperature		-25 °C ~ 55 °C					
Range of operating humidity		5% ~95%RH ( relevant humidity )					
Physical appearance & dimensions		Refer to the diagram					
Tamper Output		Contact output N.C. Contact capacity : AC , DC 24V 0.5A max					
Optical Axis Adjustment Angle ( Horizontal)		180° ( ± 90°)					
Optical Axis Adjustment Angle (Vertical)		20° ( ± 10°)					
Protection Against Frost, Dew		Heating style cover (optional)					
Material		PC resin					
Weight		2000g (each one receiver + transmitter)					

