



Four Channel Selec- table Frequency Stackable Twin Beam

Aleph outdoor beams feature sealed optics, an adjustable alarm interrupt, and metered voltage output for alignment purposes. They provide reliable detection even in poor weather conditions, and are suitable for surface or pole mounting (hardware is included). Units are designed to withstand temperature extremes from -25°C to +55°C. Non-polarized operating voltage is 10.5 to 30VDC or 9 to 18VAC. Specified beam range is doubled for indoor installations.

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PE-30T PE-60T



- **30m / 60m Outdoor Range**
- **4 Channel selectable frequency**
- **Stackable Beams**
- **Dual Beam Pulsed Infrared**
- **Alarm Trips Only When Both Beams Are Interrupted**
- **NO/NC (SPDT Form "C") Dry Contact Relay Output**
- **Adjustable Beam Response Time**
- **Built-in alignment center**



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Items		Specifications		Remarks
Product Name		Photoelectric Beam Detector		-----
Model		PE-30T	PE-60T	-----
Detection Method		Pulse Code Mark Coincidence From of Infrared Beam		
Coverage		3m (9.84ft) ~30m (98.4ft)	6m(19.67ft) ~60m (196.7ft)	Outdoor
Max. Coverage		300m (983.6ft)	600m (1967.2ft)	-----
Adjustable Range		Vertical: ± 5 degrees, Horizontal: ± 90 degrees		A transmitter and a receiver
Interruption Period		50msec / 100msec / 400msec / 700msec		4 stage by DIP switch
Number of Channel		4channels		Interference Prevention
Supply Voltage		DC10-24V	10VDC to 24VDC	-----
Consumption Current		Transmitter: 19mA max. Receiver: 58mA max.	Transmitter: 27mA max. Receiver: 58mA max.	Supply Voltage 12 VDC
Alarm Output	Conditions	When beam is shaded		-----
	Rating	When power supply voltage falls DC30V, 0.3A Photo MOS relay output Ia or Ib (selectable by switch) Alarm duration: 2 seconds (min.)		Resistive Load Output from alarm terminal that located on the receiver
	Indicator	Red LED On (Alarm Condition)		Located on the receiver Can Not display when power off ON/OFF by DIP switch
Optical Alignment	Voltage Level	Insert the voltmeter's probe into the monitor jacks located on the receiver, and adjust for the max. voltage		-----
	Alignment LED	Red LED indicator On, FLASH, and OFF is changed by receiver level		Located on the receiver ON/OFF by DIP switch
	Buzzer Alignment	Large Sound, Small Sound, and Mute is changed by receiver level		Be audible at 60m beyond, ON/OFF by DIP switch
Tamper switch	Conditions	N.C. Opens when receiver's cover is removed		Output from tamper terminal that located on the receiver
	Rating	DC30V, 3.0A Dry contact relay output		
Power Indicator		Green LED ON when transmitter is powered		Located on the transmitter ON/OFF by the switch
Incidental function		Automatic Gain Control (AGC) function Spare terminal block: 1 piece (located on the receiver)		-----
A setup at the time of shipment		Interruption Time For Alarm=50msec Selectable Beam Channel = channel No.1 Alarm output = Normally Close		-----
Environment Temperature/Humidity		Temperature: -25°C ~ 55°C (-13 °F ~ 131°F) Rel. Humidity: 95%max		-----
Dimensions		83[L] x 77[W] x 234[H] [mm] 3.27[L] x 3.03[W] x 9.21[H] [inch]		Cover: Black, PC resin Main Unit: Yellow, ABS resin
Weight		Transmitter 18.34oz. (520g) Receiver 19.40oz. (550g)		Including mounting bracket
Accessories		Pole mounting brackets, Mounting hook, Mounting Screws, Installation Instructions		-----
Option article		Pole cover, Heater		-----