



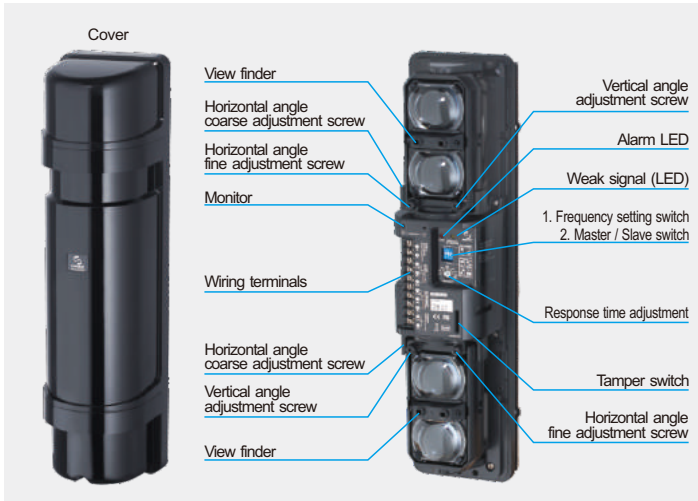
LARGER AND WIDER PROTECTION

FEATURES

- Selectable 4-Channel Beam Frequencies.
- Three(3) optional protection spec at 50m, 100m and 200m available.
- Four(4) sensor units with 16 beams could be installed and stacked on the same pole facing same direction for wider protection.
- FDM (Frequency-Division Multiplexing) and TDM (Time-Division Multiplexing) Technology to prevent possible interference.
- Environmental (anti-fog) Monitoring Circuit.
- A.G.C. (Automatic Gain Control) circuit.
- 99 % Beam Blocking Stability.

50/100/200M QUAD PHOTOELECTRIC BEAM SENSOR

4PH-50TAI / 4PH-100TAI / 4PH-200TAI

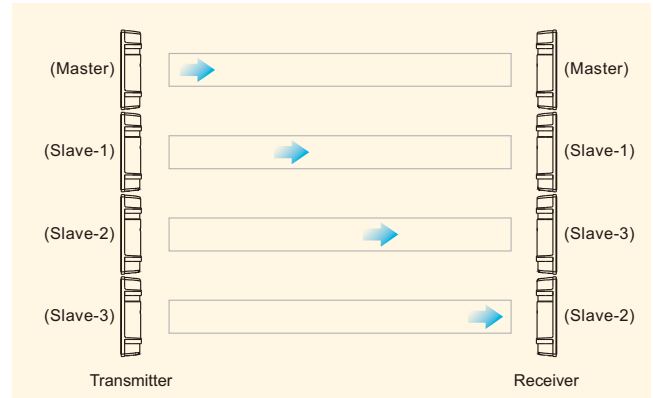


SPECIFICATION :

Items	Model No.	4PH-50TAI	4PH-100TAI	4PH-200TAI
Detection Range		50 (m)	100 (m)	200 (m)
Max. Arrival Distance		500 (m)	1000 (m)	2000 (m)
Min. Arrival Distance		10 (m)	25 (m)	50 (m)
Supply Voltage		DC12V~30V (Non-Polarity)		
Current Consumption (Transmitter)		14 mA (max.)	16 mA (max.)	18 mA (max.)
Current Consumption (Receiver)		a. Norm : 36mA (Max.) b. When Environmental Relay operating : 55mA (Max.)		
Infrared Beam		4 Infrared Photoelectric Beams.		
Infrared Signal		FDM, TDM, 890m (Pulsed Wave-length)		
Detection System		Infrared beam interruption system		
Alarm Output		Dry contact relay NC / NO. 0.2A / 28VDC Interruption Time : 1.5 seconds		
Environmental Output		Dry contact relay NC / NO. 0.2A / 28VDC When the infrared signal dropping caused by heavy snow or fog.		
Tamper Output		Micro SW Dry contact relay NC. 0.2A / 28VDC Action : When cover is detached.		
T/T Sync LED		When Beam Channel and Master/Slave setting properly, Red LED would ON-OFF orderly.		
Alarm LED		Red LED (Receiver) lights : when beam is alarm is initiated.		
Attenuation Indicator		Yellow LED keeps ON and OFF, when the signal get weaker, the ON-OFF get faster.		
Response Time		50 msec – 500 msec (adjustable)		
Functions		1. Two(2) channels (CH_A / CH_B) is selectable. 2. Master / Slave-1, -2, -3 function is selectable. 3. Transmitter power (H / L) is selectable. 4. When the cover attached, all the LED would be off for power saving. 5. The Auto Gain Lock function only operates when the front cover attached on the sensor body properly. 6. It's selectable to stack four(4) sensors on the same pole and same direction facing. 7. " Attenuation " LED lights : when Environment diagnostic function is initiated.		
Mounting Positions		Outdoor		
Beam Adjustment		Horizontal $\pm 90^\circ$ · Vertical $\pm 10^\circ$		
Ambient Temperature		$-25^\circ\text{C} \sim +55^\circ\text{C}$		
Environment Humidity		95%		
Wiring		Terminals		
Weight		2870 grams		
Dimension (mm)		W3.94" x H15.35" x D3.93" (W100.0 x H390.0 x D99.8 mm)		
Standard Accessories		U-Shaped Brackets x 4 · Attenuation Sheet x 2 Screws (4 x 20 Self tapping) x 8 · Screws (M4 x 30 mm) x 8		
Optional Accessory		Heating Unit : HT-200		

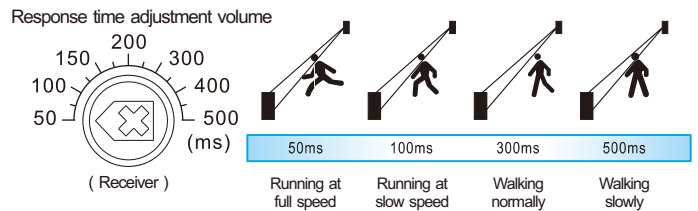
FEATURES :

● WIDER PROTECTION

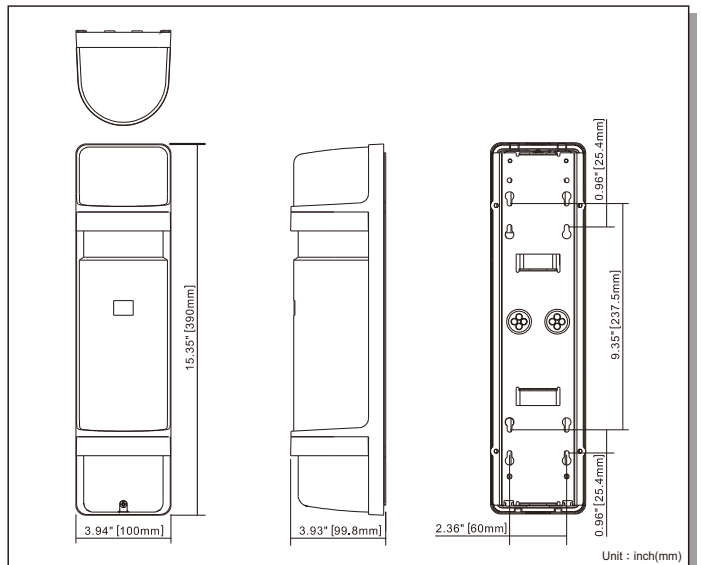


- 4PH-TAI series is available for four(4) sensors with 16 beams installed on the same pole and facing to same direction. Which is suitable for larger protection required location, like factory, farm and villa.
- 4PH-TAI series with FDM and TDM technology, selectable Channel A / B and Master / Slave switch, which could effectively prevent the possible interference.

● RESPONSE TIME ADJUSTMENT



EXTERNAL DIMENSIONS :



NOTE :

- This unit is designed to detect intruder and activate alarm control panel. Being only a part of complete system, we cannot assume responsibility for theft or damages, should it occur.
- Specifications and design are subjected to change without prior notice.
- No take apart the product improperly, which possibly cause the damage.

