



PHOTOELECTRIC INFRARED STRIP BEAM

INSTALLATION GUIDE

BD252-4 SECURI-PROD 2 BEAM 40 METRE STRIP BEAM

BD254-3 SECURI-PROD 4 BEAM 30 METRE STRIP BEAM

BD256-3 SECURI-PROD 6 BEAM 30 METRE STRIP BEAM

BD256-7 SECURI-PROD 6 BEAM 70 METRE STRIP BEAM

BD258-3 SECURI-PROD 8 BEAM 30 METRE STRIP BEAM



Photoelectric strip (barrier) beams for outdoor or indoor use in slim line aluminium housings with UV resistant lenses, consisting of a receiver and transmitter unit with 2, 4, 6 or 8 separate photoelectric beams requiring that 2 adjacent beams be interrupted simultaneously to generate an alarm condition.



Product Overview and Special Features

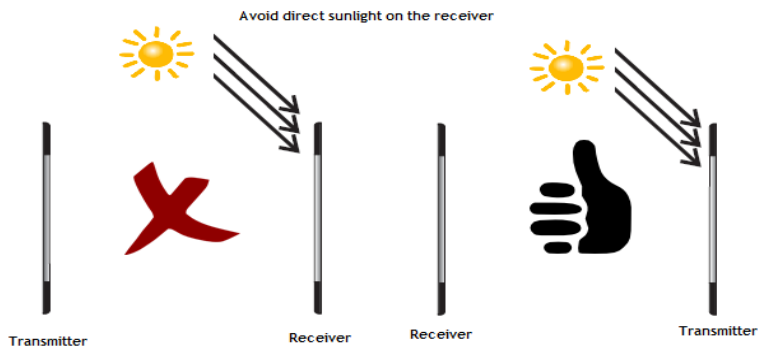
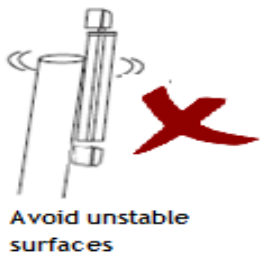
Suitable for Internal/External protection
Beam construction: Durable Aluminium Alloy housing and UV resistant lens covers
AGC circuit for added stability
Intelligent Auto Digital Modulation
Special Optical Technology, with special glass filters for added stability and reliability
Wall mount or Pole-mount
Range: 2, 4, 6 or 8 photoelectric beam sensor
External wiring terminal block
Alarm activation: simultaneous activation of 2 adjacent beams
Simple installation – no need to remove the beam PCB's from the housing to do the installation or alignment (external wiring terminal)
Quick and accurate alignment - 180° Horizontal axis adjustment with buzzer and LED indication
Flexible installation – does not require a common power supply between the receiver and transmitter
No Sync wire required for distances greater than 5 metres
3 Power settings for enhanced detection stability
Splash proof – IP 55 rated

Technical Specification

Product Code	BD252-4	BD254-3	BD256-3	BD256-7	BD258-3
Sensing Range (metre)	30	30	30	70	30
Number of Beams	2	4	6	6	8
Profile length (cm)	37	71	123	123	169
Synchronisation Wire	< 5 m				
Common PSU (Negative)	NO				
Adjustment Angle	180°				
Terminal Block	External wiring terminal block				
Operating Voltage	12 to 16 Vdc				
Relay Output	NC				
Current (mA) TX	50	80	80	90	90
Current (mA) RX	50	50	50	70	70
Detection Method	2 beams interrupted simultaneously				
Beam Response Time	40 ms				
Alignment Indicator	Buzzer & LED				
Tamper Switch	Front & Back				
Operating Temperature	-35°C to 55°C				
IP Rating	55				
Relative Humidity	95%				



Installation Tips



Beam Placement

Incorrect

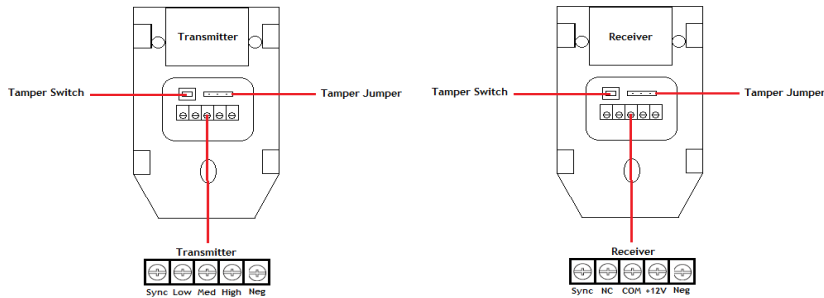


Correct

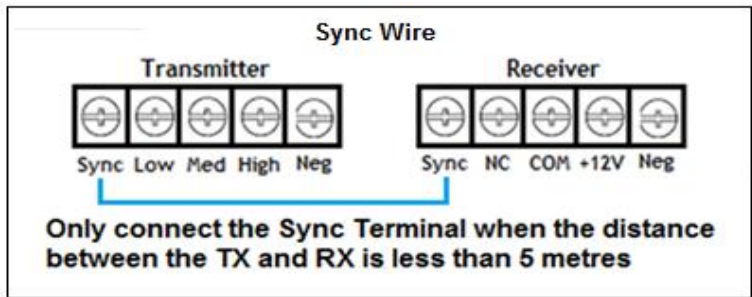
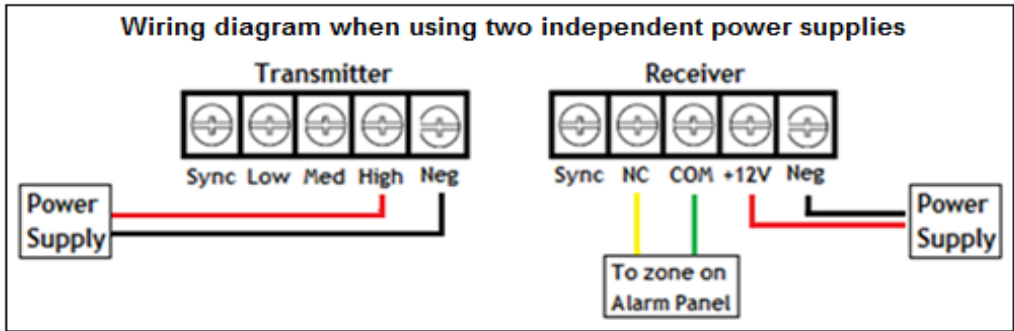
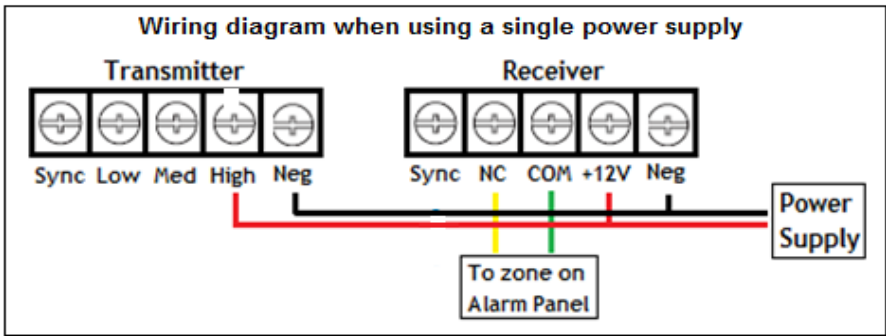




PCB Layouts and Wiring Instructions

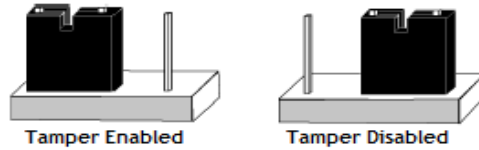


Typical Wiring Diagrams





Front and Rear Tamper Setting



Optional Accessories

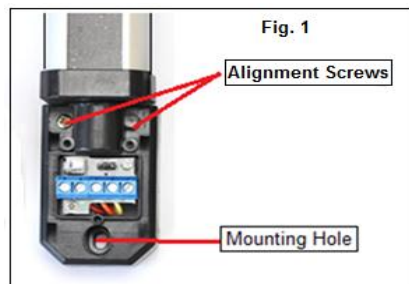
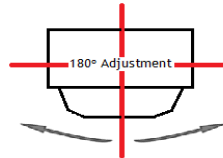
BD46-4 Securi-Prod Universal Strip Beam Bracket

Complete professional solution for mounting Strip Beams on wall tops, walls, steel structures etc. Simple and easy to assemble and adjust. Multiple Angle adjustment

Alignment



To align the beams move the Receiver slowly from left to right until the buzzer stops buzzing. (LED's will ON)



Final Beam Adjustment

Ensure that there are no obstruction between the RX and TX
Remove the protective film from the lens cover
Ensure that the RX and TX are facing directly towards each other
Slowly move the receiver from left to right and observe the LED and buzzer
Note: The LED at both the RX and TX will illuminate when aligned
Tighten the alignment screws. (See: Fig 1).
Block two beams to test the beams - the buzzer will sound and LED's will flash