

# Quad photo-beam detector

## Quad-50CS/100CS/150CS/200CS/250CS



**Features:**

- Input voltage: AC/DC 12-24V
- Multi-frequency technology( 4 channels, selectable)
- Sensing range (outdoors): 50m/100m/150m/200m/250m
- Heater
- Quad-beam technology
- Programmed A.G.C.
- Laser beam alignment function
- Beam alignment voltage testing points
- LED indicators for beam strength- (5 Leds)
- Buzzer (beep) sound for beam alignment (the same as barrier sensor)
- Environment module: the environmental signal is initiated if the beam reception level is reduced by approx 50% or more; the module "watches" for a gradual degradation of the beam reception which is indicative of extremely poor weather conditions. N.C. or N.O. Signal output is selectable.
- IP-55 ingress protection
- 440(H) × 122(W) × 85(D)

**Four channel frequency selection:**

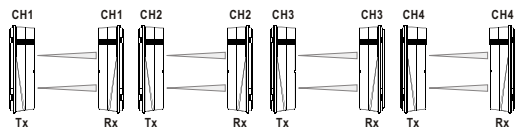
The beam pairs may be set at various frequency levels to avoid crosstalk between units which are stacked, in-line, or other configurations which have the potential of spill-over transmission from one beam to another. Set the frequency level as illustrated.



MAKE SURE THE TRANSMITTER AND THE RECEIVER OF THE PAIR ARE SET AT THE SAME CHANNEL!  
Paired TR/RE will not setup unless set at the same channel.

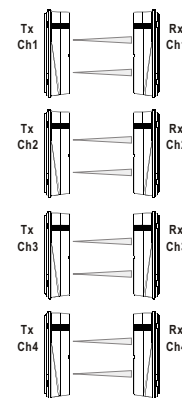
**1) Linear protection:**

beams can be installed in a horizontal stack configuration, for ultimate security in most situations



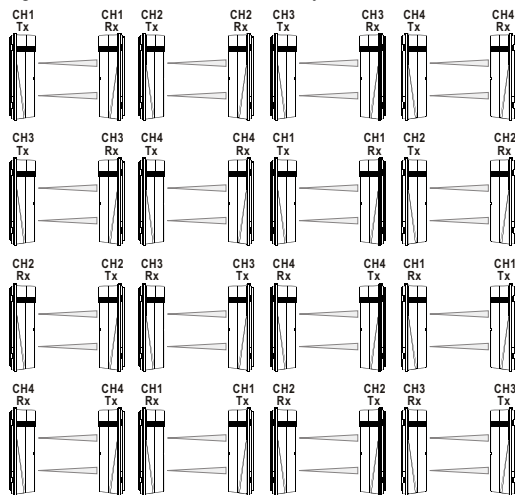
**2) Quad - stacked protection**

beams can be installed in a vertical stack configuration, for ultimate security in most situations



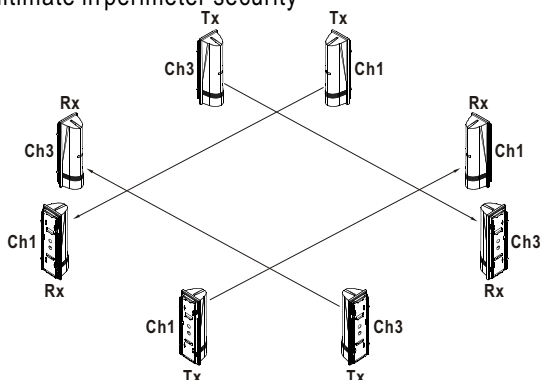
**3) Multi - stacked linear protection <MAX.: 16 units>**

beams can be installed in any combination of vertical and horizontal stack configuration for ultimate security in all situations



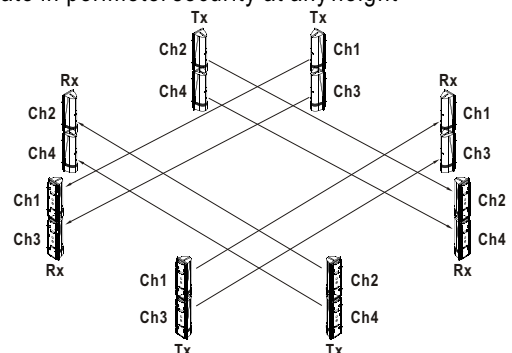
**4) Perimeter protection**

installation of the beams at the corners of a square-shaped area for the ultimate in perimeter security



**5) Perimeter double--stacked protection**

installation of the beams at the corners of a square-shaped area, but in a double-stacked vertical configuration for the ultimate in perimeter security at any height



⊙ The use of a voltmeter for alignment is advised, in order to ensure highest level of stability.

⊙ Upper and lower beams should be the same model type in stacked configurations.