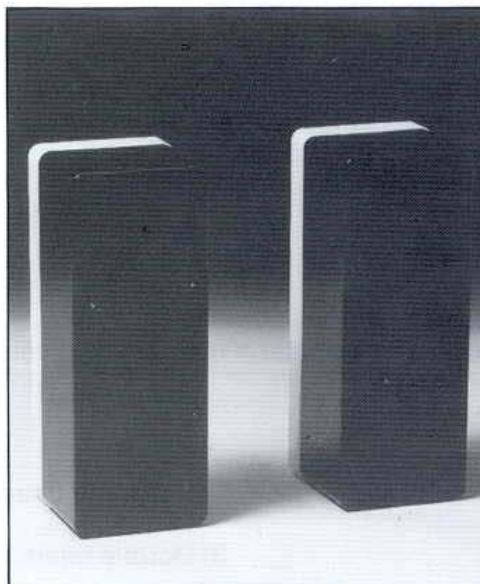


Aritech A.I.R. Series

- Complete product range
- Internal and external versions
- Full line of accessories
- Fully adjustable optics
- Easy to use
- Simple alignment
- Pulsed gallium arsenide infrared source
- Low current
- Weatherproof versions
- Superior lens heating (weatherproof version option)
- Immune to sunlight problems
- Adjustable reaction time
- Adjustable alarm relay output time



DO 500



DO 510/515

The Aritech series of active infrared beams use a pulsed gallium arsenide light source focussed by means of lens mirror assemblies for optimum performance and adjustment.

When installed and set up, an invisible beam is produced between the transmitter and receiver(s). This invisible beam is electronically pulsed for increased security with reduced current consumption. The transmitters and receivers are fully adjustable allowing maximum system flexibility with ease of alignment.

The complete Aritech A.I.R. Series for internal and external applications, with accessories, allows almost any project to be tackled with standard system components. Some examples of the internal and

external applications are listed below:

Internal

- Across doorways, roller shutters, windows, etc.
- Protecting corridors with multiple points of entry
- Protecting aisles in warehouses and stockrooms
- The use of multiple invisible beams for the protection of large warehouses, etc.
- The protection of large factory roof areas.

External

- Courtesy switching, i.e., across driveways, garage forecourts, points of entry, as a pre-alert or for automatic light switching etc.
- The forming of external barriers for the protection of boundary fencing and access points
- External barriers on large

industrial sites for security monitoring purposes providing security around storage or processing plants, e.g., reservoirs, sewerage plants, petro-chem, car sites, etc.

- The external protection of windows, roofs, etc., for high security alarm/alert purposes
- For activating CCTV switching.

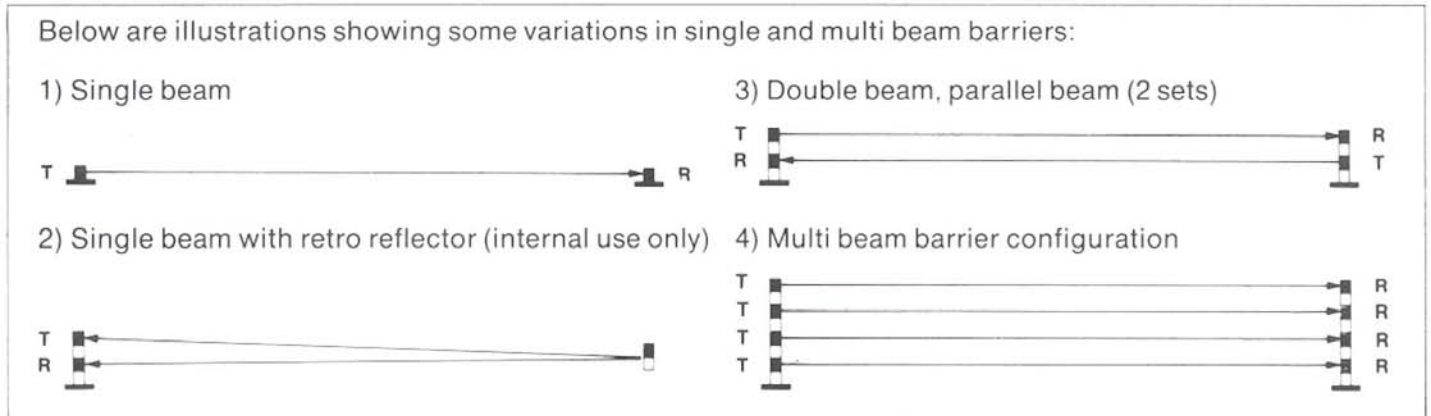
For maximum reliability, all Aritech A.I.R. Series receivers have a special filter circuit to eliminate the possibility of any unwanted alarms through sunlight, etc.

The external versions are available with a unique, specially designed lens heater for maximum efficiency. The beam interruption alarm time can be adjusted on the receiver(s) from between 20 to 300 milli seconds to cater for the most extreme and varied applications.

How to order

Basic equipment	
DO 500	Complete set of infrared beams, internal use only. Maximum range: 80 m
DO 501	Spare transmitter only (range 80 m)
DO 502	Spare receiver only (range 80 m)
DO 510	Complete set of infrared beams suitable for internal use. Maximum range internal 160 m
DO 511	Spare transmitter as per DO 510
DO 512	Spare receiver as per DO 510
DO 515	Complete set of infrared beams suitable for external use (inclusive lens heating and fog detector). Maximum range external 100 m.
DO 516	Spare transmitter as per DO 515
DO 517	Spare receiver as per DO 515
Accessories	
DO 513	Retro reflector in DO 510 housing
DO 801	Alignment light
DO 802	Lens heater (515 versions only)
DO 821	Lens heater, fog detector and alarm memory (515 versions only)

Applications



Technical data	DO 500 (set)	DO 510 (set) / 515 (set)
Operating voltage	10-16 V AC/DC	10-18 V AC/DC
Power consumption	55 mA per pair	45 mA per pair
Temperature range	-3°C to +80°C	-5°C to +80°C (DO 510) with heater -30°C to +80°C (DO 515)
Angle of adjustment	180° horizontally 40° vertically	190° horizontally 40° vertically
Dispersion angle	2,1°	2,1°
Range	80 m for indoor use only	160 m indoor 100 m outdoor
Alarm relay	Potential free change-over contact 60 V 1 A	Potential free change-over 30 V 1 A
Response time	± 40 mS	20 to 300 mS
Dimensions	140×55×55 mm (L×W×D)	173×60×60 mm (L×W×D)
	± 400 grs per pair	± 1 kg per pair

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Technische wijzigingen voorbehouden.
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