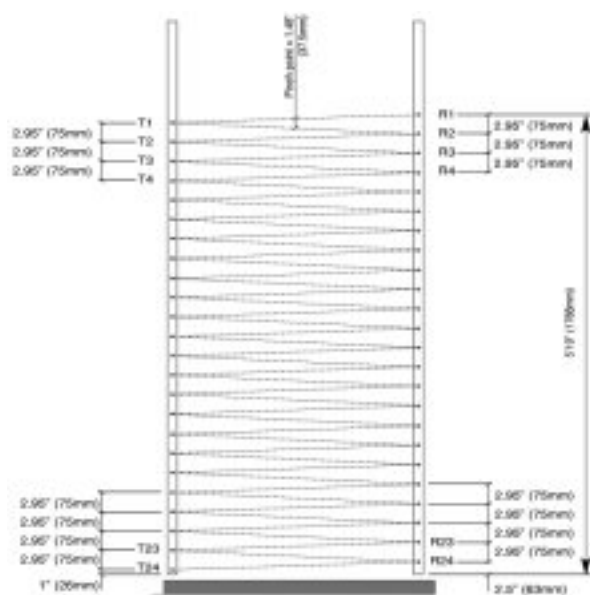


Formula FCU⁴⁷ Safescreen™

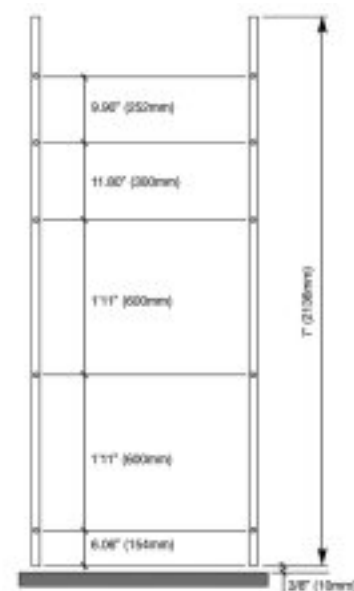
It's so simple, yet so effective.

- Works with any elevator/door operator
- Provides 47 beam paths
- Current design ensures a quick, easy fit and is guaranteed to work without any adjustments
- 7' extension kits can be cut to suit any door
- FCU⁴⁷ is the most sunlight-resistant product available
- Watertight – rated to IP56, equivalent to NEMA 4
- Cable – simple, 3-core flat cable approved for use in elevator applications. If the cable gets damaged, it can easily be replaced or temporarily repaired to get the elevator back into service.
- Cable connectors – Formula Systems uses KONE approved connectors that can be removed and the cable shortened or lengthened as required.
- 3D – Formula Systems produces the KONE approved SafeZone 3D. Unlike other competitor's products, the SafeZone provides additional door protection just where you need it in front of the landing doors.



Beam Pattern

FCU⁴⁷ Series



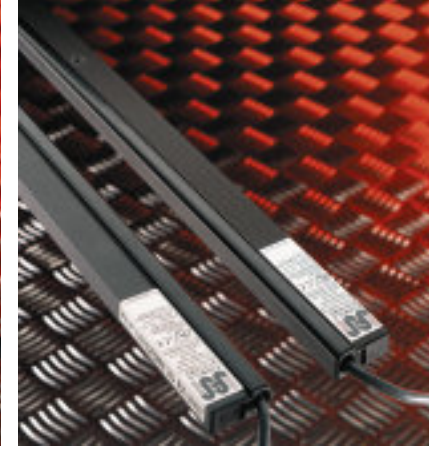
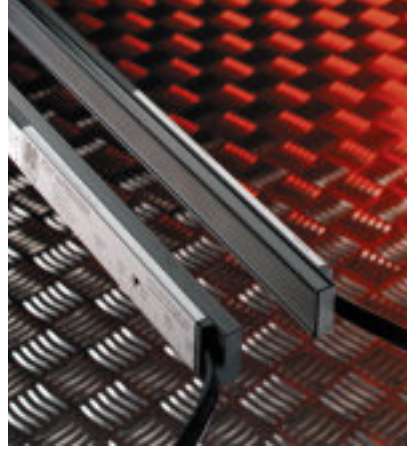
Mounting Hole Positions



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Item	Detail / Comments
Number of beams	47 non-focused beams
Number of sensors	24
Sensor spacing	2.95" (75mm)
Distance between beams at pinch point (doors closed)	1.48" (37.5mm)
Scan type	Interleaved
Response time	10 to 100 milliseconds
Range of detection	6' door mounted (1800mm) 16' door mounted (5000mm)
Light immunity	50 000 lux – visible light
Angular displacement	10°
Positional mounting tolerance – doors closed units touching	+/- 0.7" (18mm) vertically +/- 0.2" (5mm) side by side
Operating voltage – 16 volts min 30 volts max	24 volts
Current consumption – total of both units	<100 mA RMS
Control units	Optional 24V Control Unit available if required
Environmental protection	Conformal coating to PCBs
Operating temperature range	0°C to +70°C
Storage temperature range	-40°C to +80°C
Unit size	1.18" x 0.8" x 7" (30x20x2136mm)
Mounting	Five screw positions
Indicators	Supply present: System fault/beams obstructed: Green LED and Red LED
Cable supplied	Two x 13' (4m) approx of 3 core cable – connects to product via short fixed lead
Case material	Aluminum alloy – finished black
Cover (filter)	Infra-red transparent plastic – Snap-on fixing
Installation kit	Instructions – 1 off Spacer block – 1 off Cable clips – 6 off Nytie – 3 off Screws 8-32unc x 1/2" – 20 off – hex. flanged head (self tapping) Washers – 20 off Washer spring – 20 off Mounting brackets – 2 off Screws M5.0 x 10mm – 10 off – use with mounting bracket Washers M5.0 – 10 off – use with mounting bracket Cable retainer – 2 off (Optional) Screwdriver – 1 off (Optional) Drill bit – 1 off (Optional)
Systems approvals	UL, CUL, CE (EMC) – EN12015, EN12016

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