

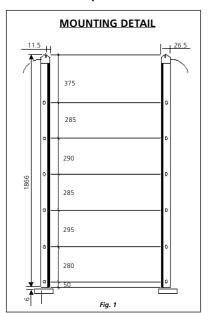
Formula Systems Infra-red Safety Edges TypesFCU 0735GB01 Slimscreen Curtain of Light

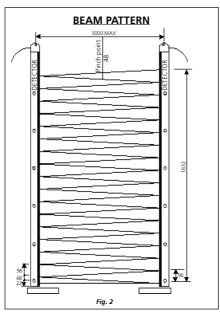
FCU 0547GB01/02 Safescreen Curtain of Light

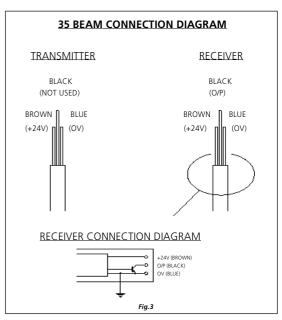


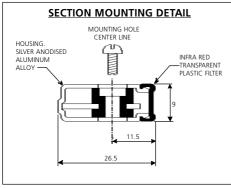
Publication Number: DO019/1000 SYSTEMS				
	FCU 0735GB01		FCU 0547GB01/02	
ITEM	DETAIL	ADDITIONAL COMMENTS	DETAIL	ADDITIONAL COMMENTS
Number of Beams	35 non-focused beams	Infra-red	47 non-focused beams	Infra-red
Number of Sensors	18	See beam pattern (Fig .2)	24	See beam pattern (Fig. 5)
Sensor Spacing	96mm	See beam pattern (Fig. 2)	75mm	See beam pattern (Fig. 5)
Distance between beams at pinch point (doors closed)	48mm	See beam pattern (Fig. 2)	37.5mm	See beam pattern (Fig. 5)
Unit Size	9mm wide X 26.5mm deep X 1866mm high		30mm wide X 20mm deep X 2136mm high	
Scan Type	Interleaved		Interleaved	
Response Time	48 to 96 milliseconds	Relates to point of detection in scan cycle	10 to 100 milliseconds	Relates to point of detection in scan cycle
Range of Detection	1500mm Door mounted 3000mm Track end mounted	Switch selected	1800mm Door mounted	Standard range product FCU0547GB01
			5000mm Door mounted	Long range product FCU 0547GB02
Light Immunity	50,000 lux	Visible light	50,000 lux	Visible light
Angular Displacement	10° (inclusive)		10º (inclusive)	
Positional Mounting Tolerance (doors closed, units touching)	+/- 10mm vertically +/- 4mm side by side		+/- 18mm vertically +/- 5mm side by side	
Fail Safe Conditions	Faulty cable:	Fail safe to open circuit faults	Faulty cable:	Fail safe to open circuit faults
	Supply failure:	Output switch to detect state	Supply failure:	Output switch to detect state
Operating Voltage	24 volts d.c.	18 volts min 30 volts max	24 volts d.c.	16 volts min 30 volts max
Current Consumption	<100 mA RMS	Total of both units	<100 mA RMS	Total of both units
Control Unit	FPS 0270 or FPS 0271 Universal Interface	Not necessary whendoor operator permits direct connection of edges.	FPS 0270 or FPS 0271 Universal Interface	Not necessary when door operator permits direct connection of edges.
Environmental Protection	Conformal coating to PCB's.		Conformal coating to PCB's	
Operating Temperature Range	0°C to 70°C		0°C to 70°C	
Storage Temperature Range	-40°C to +80°C		-40°C to +80°C	
Mounting	Seven screw positions	See mounting detail (Fig. 1)	Five screw positions	See mounting detail (Fig. 4)
Indicators			Supply present	Green LED
	System fault/beams obstructed	Red LED	System fault/beams obstructed	Red LED
Cable Supplied	3.4m Long	Gebauer & Griller 'Polyflex' Supplied pre-wired to product (Fig. 3)	Two X 4m approx of 3 core cable	Connects to product via short fixed lead
Case Material	Aluminium alloy	Silver Anodized	Aluminimum alloy	Finished Black
Cover (filter)	Infra-red transparent plastic		Infra-red transparent plastic	Snap-on fixing
Installation Kit (supplied)	Instructions - 1 off Cable Clips -10 off Screws M3.5 X 16mm - 26 off Nuts M3.5 - 32 off Washers M3.5 - 32 off	Pan Head Pozi Drive	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)
	Washer Springs M3.5 - 42 off		Washers - 20 off Washer Spring - 20 off Mounting Brackets - 2 off Screws M5.0 x 10mm - 10 off Washers M5.0 - 10 off Cable retainer - 2 off Screwdriver - 1 off Drill Bit - 1 off	Use with Mounting Bracket Use with Mounting Bracket Optional Optional Optional
Packaging Tube	1920mm long X 75mm OD X 2Kgs		2200mm long X 100mm OD	
SYSTEM MARKINGS	UL, cUL, CE (EMC)	EN12015, EN12016	UL, cUL, CE(EMC)	EN12015, EN12016

FCU 0735GB01 (Nominal dimensions shown in mm)

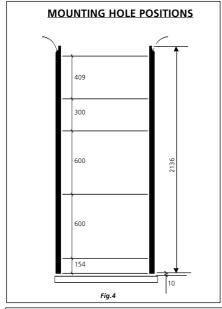


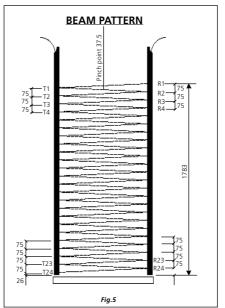


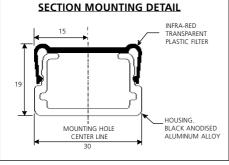




FCU 0547GB01/02 (Nominal dimensions shown in mm)







EMC Note

These components are designed to comply with EN81 (BS5655) parts 1 and 2 for incorporation in a lift application. They meet the requirements of the EMC Regulations (EN12015 and EN12016). The installer must ensure that the inductive load connected to the relay contacts meets EMC requirements.