

Panachrome Elevator Light Curtains

Product Datasheet

KEY FEATURES

- Complies with EN81-70 legislation
 Disability Discrimination Act
- Coloured red/green indicators highlight door movement
- 2D and 3D detector models available
- 2D Coverage exceeds minimum requirements of 25mm to 1800mm
- Dense infra-red 154 beam light curtain
- Suitable for centre-opening and side-opening doors
- Rigid extrusions for easy installation
- Self-drilling screws for quick installation
- 10mm & 43mm profiles available

MEMCO Panachrome is a revolutionary elevator safety detection system offering maximum passenger protection. The premium infra-red light curtain has coloured red and green indicators that operate on door movement to indicate opening and closing. The Panachrome is available with 2D or 3D detection in the landing zone for additional passenger protection.

This unique combined system is an effective solution for sites where passenger traffic is high or where additional safety measures are required. Reduction in door damage is a key advantage of using this system so Panachrome is ideal for these types of applications.

Typical applications include hospitals, public access building, hotels, airports and prestigious buildings.

Panachrome is suitable for centre-opening and side-opening doors and its rigid extrusions and self-drillings screws make the product quick and easy to install. Additional features include power reduction software to prolong the life of the light curtian and an audible tone which can be set up to sound on detection. Test diagnostics to detect system faults and a timout function are also provided as standard with the Panachrome.

Detector Profiles





Fig. 1 10mm profile mounted using countersunk headed self-tapping screws



Fig. 2 10mm profile mounted using a fixing clamp plates

3D Detection

The 3D Detection Zone covers from just above floor level to 1650mm. The 3D detection range is equal to approximately half the door separation (Fig 5). As the doors close the 3D detection zone moves inwards. The system can be configures for different operating modes to suit particular installation needs. The Panachrome 3D detectors suit a wide variety of doors including both centre-opening and side-opening. The 3D Panachrome controller (C3850) is available for 18 to 25VDC and a universal AC supply of 85 to 240V.





Fig. 3 43mm profile mounted for centre-opening using 2 'L'

brackets and 2 finger guards

Fig. 4 43mm profile mounted for side-opening using an 'L' bracket with a finger guard and slampost bracket

Technical Specification

Product Code	C3540 (3D)	C3510 (3D)	C2540 (2D)	C2510 (2D)	
Dimensions	43mm x 18mm x 2100mm	10mm x 38mm x 2000mm	43mm x 18mm x 2100	0mm 10mm x 38mm x 2000mm	
Panachrome C3850 Controller	250mm x 206mm x 59mm	250mm x 206mm x 59mm	250mm x 206mm x 59	9mm 250mm x 206mm x 59mm	
Number of Diodes	32	32	32	32	
Number of Beams	4m	4m	4m	4m	
Ext. Cables 015 455	40	40	40	40	
Detector Specifications					
Distance between bottom beam and bottom of housing	18mm	17mm	18mm	17mm	
Distance between top beam and bottom of housing	1832mm	1838mm	1832mm	1838mm	
Range - 2D	6m	6m	6m	6m	
Range - 3D	Typically, half door separation (0.3m-1.2m) N/A		N/A	N/A	
Maximum voltage in Detector	18VDC	18VDC	18VDC	18VDC	
Maximum power consumption		5W	/		
Operating temperature range	-10°C to +65°C				
EMC Compliance	Emissions to EN 12015:2004; Immunity to EN12016:2004				
Ingress Rating	IP55	IP65	IP55	IP65	
Light Immunity Rating	60,000 lux	60,000 lux	100,000 lux	100,000 lux	
CSA Certification Details	1586962 (LR 53335), Master Contract: 173023, Date issued 2011/03/11				
Patent	Singapore 200506875 Turkey B66B 13/16, E05F 15/00 USA US7,771,080 B2 Europa EP1626924 Denmark DK/EP 1626924 Australia 0309310.1, 2012207023				
Sleep Software Patent Nr.	UK 9822359.7; Europa EP06966 619; Turkey 29918009.3; USA 5,698,824; Japan 291527/1999; Japan 3088936; USA 09/416,585; Canada 2,153,514; Singapore 116374				
Controller Specifications					
Voltage requirements	Universal AC supply 85 to 240V AC or 18 to 25V DC				
Power consumption	10VA maximum with detectors fitted, visual indication on				
Door operator relay					
Case material	Epoxy Painted Milk Steel				
Trigger duration	250mS typical 2D, 1 second typical 3D				

Ordering Information

Part No.	Product Description	Profile				
C3540 000	Set of 3D TX, RX Detectors and Fixing Kit	43mm				
C3510 000	Set of 3D TX, RX Detectors and Fixing Kit	10mm				
C2540 000	Set of 2D TX, RX Detectors and Fixing Kit	43mm				
C2510 000	Set of 2D TX, RX Detectors and Fixing Kit	10mm				
015 455	Panachrome+ 4 metre ext cable	Two sets are required				
C2510 803	Clamp kit to fit one detector					
C2850 000	2D Universal 85-240V AC Panachrome Controller					
C3850 000	3D Universal 85-240V AC Panachrome Controller					

Switched ON/OFF 10-70 seconds adjustable

This product is designed for use in elevators with powered automatic doors where the closing energy is less than 10J in normal operation and less than 4J during de-activation of the light curtains or less as per EN81 requirements. It should be installed by qualified personnel only, therefore any use outside of this application is at the installer's own risk and should be assessed appropriately.

As a result of our policy of continual improvement, the information in this document is subject to change without notice and it is intended only as general guidance on product performance and suitability. This information shall not form part of any contract.



Timeout

 AVIRE Australia

 Unit 39 | 110 - 116 Bourke Road | Alexandria NSW 2015 | Australia

 (s) +61 (2) 9669 1102
 (m) sales.au@avire-global.com

