

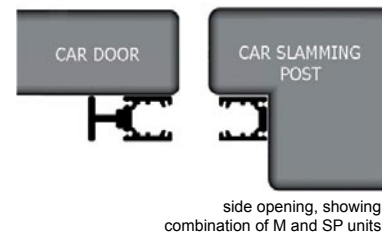
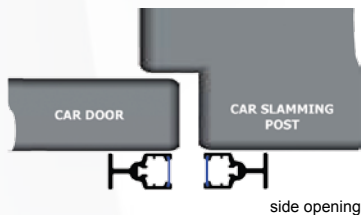
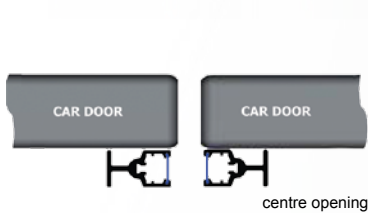
MICROSCAN™

M150 & SP150

elevator entrance safety detectors

Features

- Competitively priced, high performance
- M and SP units are suitable for both side-opening or centre-opening doors
- Suitable for dynamic or static installations
- IP65/NEMA 4 water and dust resistant
- 154 criss-cross beams
- No on-site adjustment required
- No special cables required
- Immune to interference from reflection or sunlight
- SMT electronics with proven technology and reliability
- Easy installation without need to expose componentry
- High impact vandal resistant materials
- Tested to CE requirements
- Tested to exceed requirements of EN81-70 and GB7588-2003
- Two power supply options: 10-30V DC or 10-40V DC
- Optically isolated solid state relay output. Two versions available: N/O or N/C contacts



TELORC
SQI
registered

ISO 9001



MICROSCAN™ M150 & SP150

GENERAL SPECIFICATIONS:

Size	M150 SP150	12mm (deep) x 1978mm (high) x 25mm (wide) 12mm (deep) x 1983mm (high) x 15mm (wide)
Number of diodes/beams		32/154 (5 way scanning)
Distance between diodes		Distance between diodes is 58mm
Highest beam		1823mm (complies with EN81-70: 5.2.4)
Lowest beam		25mm (complies with EN81-70: 5.2.4)
Redundancy/Blanking		Multiple non-adjacent beams, factory set - default Maximum number of redundant elements - five
Maximum recommended opening		3000mm
Minimum recommended opening		0mm
Vertical displacement at 0mm		± 20mm
Horizontal displacement at 0mm		± 10mm
Angular displacement at 0mm	Longitudinal Transversal	± 20° ± 5°
Maximum response time		48mS
Light immunity at 2500mm	- Sunlight	75,000 Lux
IP rating	- RX & TX unit	IP65 (IEC60529: 2001)
Electromagnetic Compatibility	- Emission - Immunity	BS EN 12015: 2004 — Lifts, escalators and passenger conveyors BS EN 12016: 2004 — Lifts, escalators and passenger conveyors
Cable reliability		IEC 60227-2: 2003
Vibration		IEC 60068-2-64: 1993
Free fall		IEC 60068-2-32: 1975
Composite temperature/humidity cyclic test		IEC60068-2-38: 1974

POWER SUPPLY OPTIONS:

Option 1: 10-30V DC	Maximum current consumption 120mA
Option 2: 10-40V DC	Maximum current consumption 120mA
Optically isolated solid state relay. Two output options available: N/O or N/C contact	Maximum load 200mA / 40V DC Maximum load 100mA / 53V DC

With Optional AC Power Supply (MS720):

IP Rating	IP65 (IEC 60529: 2001)
Rated Voltage	100-240V AC
Input Voltage	94 - 276V AC
Output Voltage	12V DC. Regulated and short circuit protected
Contact Type	Single pole change over. Voltage free
Contact Rating	5A/250V AC or 10A/24V DC



Corporate Offices:
 TL Jones Asia Pacific Pte Ltd
 Singapore +65 6776 4111
www.tljones.com
 E-Motive Display Pte Ltd
 Singapore +65 6776 4111
www.emotivedisplay.com

Regional Sales Offices:
 Australia (call free) 1 800 886 889
 Japan +81 3 5847 8329
 New Zealand +64 3 349 4456
 UAE +971 4 295 5648
 UK +44 1628 770 734
 US +1 631 864 3699

China:
 Shanghai +86 21 6495 3748
 Guangzhou +86 20 8797 9936

India:
 Mumbai +91 22 4215 0700/1/2
 Chennai +91 44 4308 1447
 New Delhi +91 11 2553 7775