

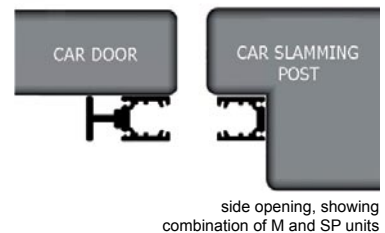
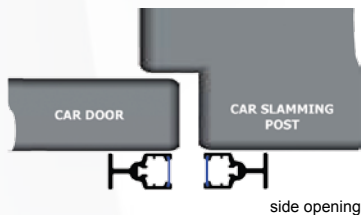
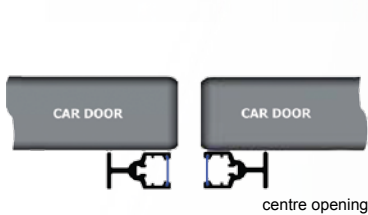
MICROSCAN™

M50 & SP50

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
- 52 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
SQ1
registered

ISO 9001



MICROSCAN™ M50 & SP50

GENERAL SPECIFICATIONS:

Size	M50 SP50	12mm (deep) x 1978mm (high) x 25mm (wide) 12mm (deep) x 1983mm (high) x 15mm (wide)
Number of diodes/beams		18/52 (3 way scanning)
Distance between diodes		Distance between bottom 4 diodes is 58mm Distance between top 15 diodes is 116mm
Highest beam		1823mm (complies with EN81-70: 5.2.4)
Lowest beam		25mm (complies with EN81-70: 5.2.4)
Maximum recommended opening		3000mm
Minimum recommended opening		0mm
Vertical displacement at 0mm		± 20mm
Horizontal displacement at 0mm		± 10mm
Angular displacement at 0mm	Longitudinal Transversal	± 25° ± 5°
Maximum response time		33mS
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
Operating Voltage Range	93 - 276V AC
Output Voltage	12V DC. Regulated and short circuit protected
Contact Type	Single pole change over. Voltage free
Contact Rating	5A/250V AC, 10A/24V DC



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