

M Search

NABCO Activation Sensor

**Advanced automatic door sensor
with Japanese leading technology to
enhance safety and comfort**

M Search

Thanks to the latest technology of M Search, NABCO automatic door offers top-level performance for your entrance.

L I N E U P



MS-(N)01
Transom-mount type



MS-(N)02
Transom embedded type which keeps transom flat and its aesthetic



MS-(N)03
Transom bottom-mount type which is applicable to the limited space where transom-mount or transom embedded type cannot be installed

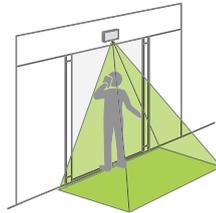
Advanced detecting function assures the safe passage.

- **High-density detection area with independent 72 spots** ※1

Utilizing most spot quantity in the industry, detection area can be set freely and in detail to detect objects accurately.

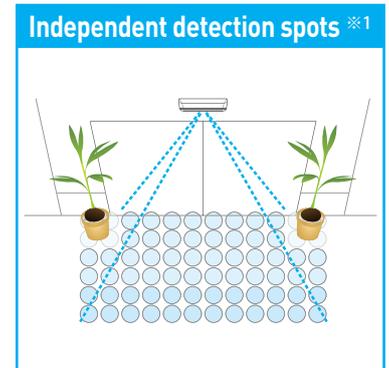
- **Presence detection & Doorway area monitoring**

It can detect pedestrians who stop on the doorway to secure pedestrian safety.



- **Reduced malfunction caused by snow, rain and / or bugs**

The detecting function is stable even in snowy and rainy environment.



The integrated approach for the various entrances is available.

- **3 types of installation to be chosen according to the entrance design**

Transom-mount, embedded, bottom-mount are available.

- **Mounting height of up to 4.0 m**

The sensor can be applied to the higher doors.

- **Applicable to unique door design** ※1

The sensor can be used for unique door design, such as circular door.

By memorizing door's movement, detection area covers doorway.

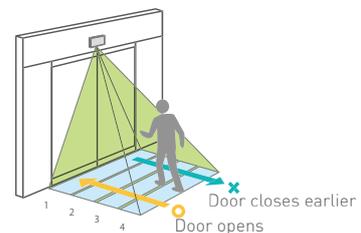


Eco functions contribute to energy efficiency.

- **ECO Mode**

Door opens normally for approaching pedestrians and closes earlier in response to pedestrians moving away.

Due to shorter opening time of the door that pedestrians pass through, this function reduces the influx of wind and dust and enhances air conditioning efficiency.

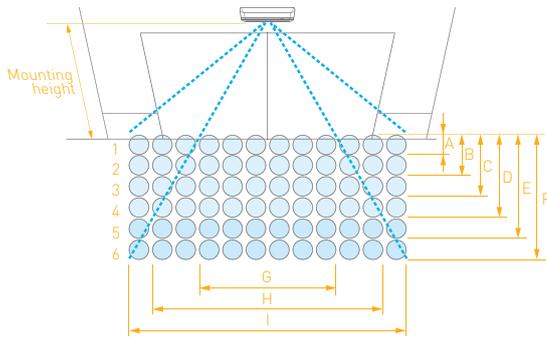


- **Contact-free touch sensor function** ※1

Detection area can be set like touch switch. By reducing unnecessary opening, this function also improves air conditioning efficiency.

<p>1 When door is closed, the detection area is limited.</p>	<p>2 When a passenger places his/her hand near the touch-area, the door starts to open.</p>	<p>3 Once the door opens, the detection area is extended as wide as standard mode.</p>	<p>4 After the passenger goes out of the wider detection area, the door starts to close and the detection area returns to be limited again.</p>
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Detection area



※Mounting height shows the height of where sensor is mounted.

● Detection area

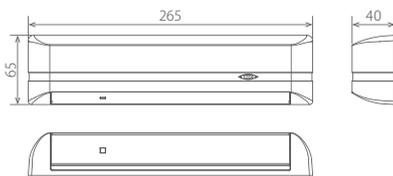
(mm)

Mounting height		2.0m	2.2m	2.5m	3.0m	3.5m	4.0m
Depth	A	100	110	120	150	170	200
	B	390	430	480	580	670	770
	C	650	720	820	980	1,150	1310
	D	960	1050	1200	1440	1,680	1920
	E	1300	1430	1620	1950	2,270	2590
	F	1600	1820	2070	2490	2,920	3320
Width	G	1220	1350	1530	1840	2,150	2450
	H	2100	2320	2630	3160	3,690	4210
	I	2640	2900	3300	3960	4,620	5280

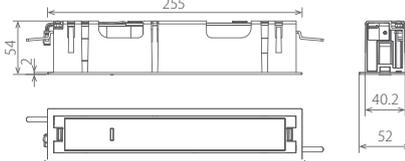
※The above values are obtained when the area adjuster is set at zero degree.

Dimensions (mm)

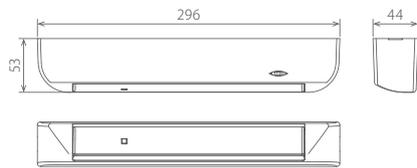
● MS- (N) 01



● MS- (N) 02



● MS- (N) 03



● Specifications

Product name	MS-N01/N02/N03	MS-01/02/03
Detection method	Motion/Presence Detection (Near Infrared reflection method)	
Mounting height	2.0m~4.0m	
Detection area	W 2.9m×D 1.8m (Mounting height 2.2m)	
Power supply/ Power consumption	120mA or less at 12VDC	24VAC to 100VAC (50 / 60Hz) • 5VA or less (at 100VAC) 12VDC to 100VDC • 150mA or less (at 12VDC)
Output rating	NET-DS connector (CAN Communication)	No-voltage relay contact, Semiconductor relay output
Features	Full color LED display, Replacement time display Self-diagnosis function, Eco mode Anti-snow/insects mode, Anti-vibration mode	
	Independent 72 spots, Doorway area monitoring for unique door design, Contact-free touch sensor function, Measure against insertion mode	—
Cover color [MS- (N) 01/(N) 03]	Silver / Bronze / White / Black / Mirror / Stainless Steel	
Body color [MS- (N) 02]	Black	

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ISO9001 / ISO14001 Certified



For further details, please contact:

All specifications herein are subject to change without notice

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