

**NABCO**

# N Search

Motion & Presence Detection Sensor

**Advanced automatic door sensor  
to enhance safety and comfort.**

(With self-test feature complying with EN16005 and JIS A 4722)



# N Search

Thanks to NABCO's expertise in automatic door sensor technologies, N Search offers the highest performance more than complying with EN16005 / JIS A 4722.

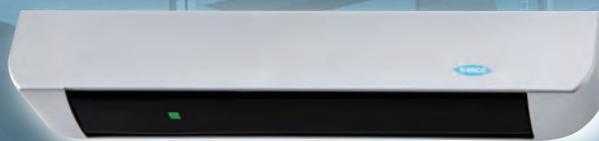
L I N E U P



**NS-A01**  
Header mount sensor



**NS-A02**  
Header recessed sensor



**NS-A03**  
Header bottom-mount sensor

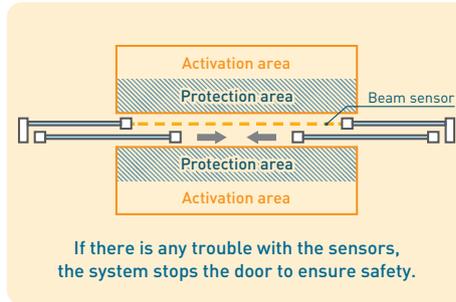
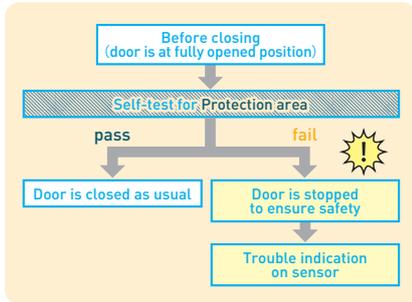


**NS-A04**  
Ceiling mount sensor

## Self-test feature



The door system conducts a self-test in every operation to check whether sensors are working to detect the protection area correctly.



## Trouble indication on sensor



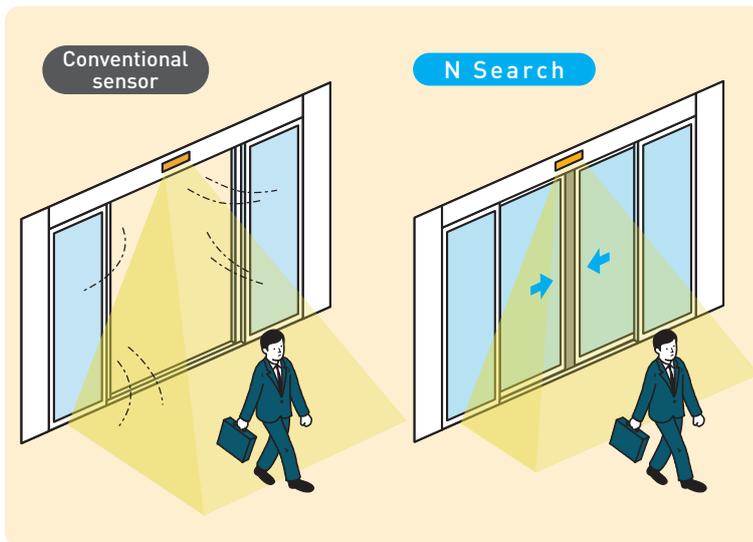
If there is any trouble with the components including the sensors, the fail-safe mechanism works and the LED starts blinking to show "network component error" so that building owners can easily comprehend the current situation. In the case the sensor shows the LED blinking, please contact your local distributor of NABCO.



## ECO mode



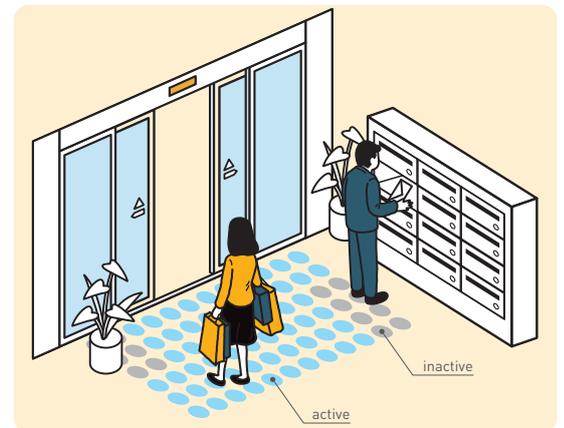
The door system judges pedestrian's movement and, after the pedestrian passes through the door, starts the closing action earlier, contributing to energy saving.



## Spot-by-spot setup of sensor with 72 independent spots



Since sensor detection spots can be set one by one according to the actual site environment, it is possible to reduce unnecessary door operation. The interior environment is improved and operational efficiency is maintained.

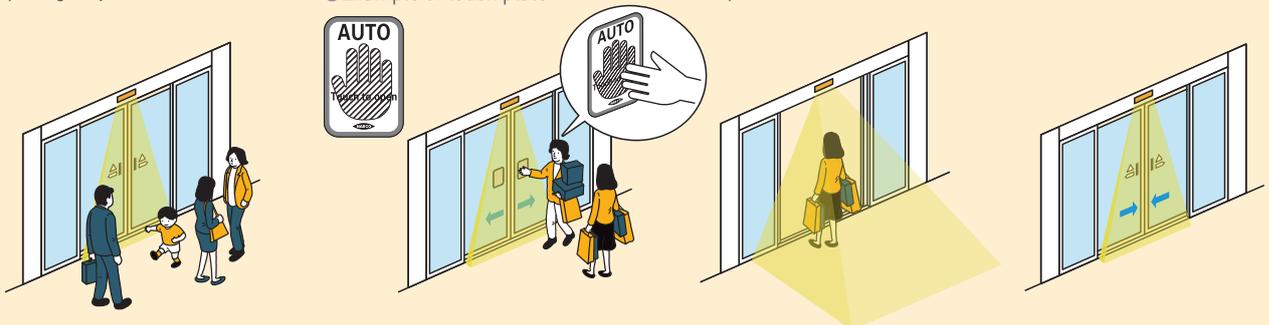


## Touchless switch mode

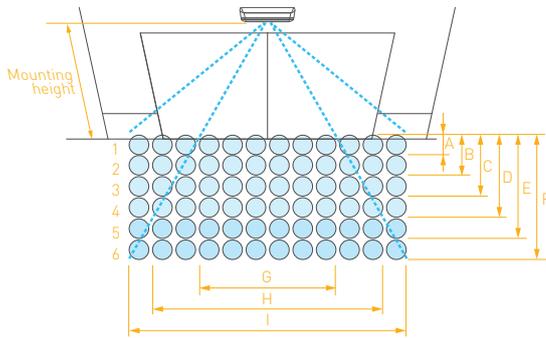


In case the door keeps opening unnecessarily due to continually passing by the door, the setting can be changed to Touchless switch mode (only NS-A 01 / 02 / 03).

- 1 In the case of Touchless switch mode, pedestrians walking or objects moving pass the passageway are not detected.
- 2 When a hand is placed near the touch plate, the door opens.
  - Example of touch plate
- 3 After the door opens, the detection area is enlarged around the door to detect pedestrians.
- 4 When no more pedestrians are detected, the door closes and the detection area returns to be limited.



## Detection area (72 independent spots)



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

### ● Detection area size (Reference)

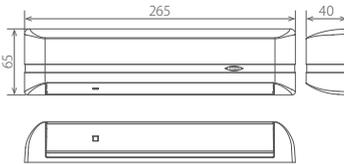
(mm)

Mounting height		2.0m	2.2m	2.5m	3.0m	3.5m	4.0m
Depth	A	180	198	225	270	315	360
	B	450	490	560	670	780	890
	C	710	790	890	1,070	1,250	1,430
	D	970	1,070	1,220	1,460	1,700	1,950
	E	1,270	1,400	1,590	1,910	2,230	2,550
	F	1,670	1,840	2,090	2,510	2,930	3,350
Width	G	1,110	1,220	1,380	1,660	1,940	2,210
	H	1,970	2,170	2,470	2,960	3,450	3,950
	I	2,440	2,680	3,050	3,660	4,270	4,880

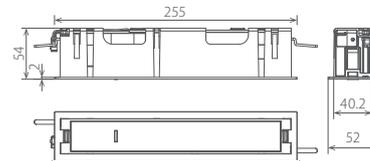
※ The above values are obtained when the area adjuster is set at zero degree.  
※ For NS-A01 / A02 / A03

## Dimensions (mm)

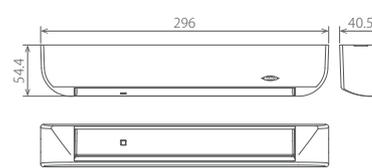
### ● NS-A01



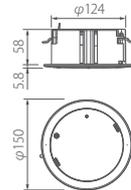
### ● NS-A02



### ● NS-A03



### ● NS-A04



## ● Specifications

Type	N Search	
	NS-A01/A02/A03	NS-A04
Detection characteristics	Motion & Presence Detection (active infrared sensor)	
Mounting height	When used as activation sensor : 2.0 to 4.0m When used as safety sensor : 2.0 to 3.5m	When used as activation sensor : 2.0 to 4.0m When used as safety sensor : 2.0 to 4.0m
Detection area	When mount height is 2.5m : 3.05m (width) × 2.09m (depth) (reference)	When mount height is 3.0m : 3.04m (width) × 2.37m (depth) (reference)
Sensor cover color (type 01 and 03)	Silver / Bronze / White / Black / Mirror / Stainless steel color	—
Sensor color (type 02 and 04)	Black	Black
Remarks	Function : Spot-by-spot setup, Safety test before closing. Trouble indication, Full-color LED display, Eco mode, Snow / Insects mode, Touchless switch mode, Available for Circular / Folding door as well	Function : Spot-by-spot setup, Safety test before closing. Trouble indication, Full-color LED display, Eco mode, Snow / Insects mode, Available for Circular / Folding door as well

## Nabtesco Corporation

Accessibility Innovations Company

Address : JA Kyosai Bldg., 7-9,  
Hirakawacho 2-chome,  
Chiyoda-ku, Tokyo,  
102-0093, Japan

Phone : +81(0)3-5213-1157  
Fax : +81(0)3-5213-1173



ISO9001 · ISO14001 Certified



For further details, please contact:

<https://nabco.nabtesco.com/en/>

All specifications herein are subject to change without notice

CAT.No. D690 0401 1909 02RI