

ACTIVE INFRARED DOOR SENSOR

DA-4800H (Motion & Stationary Sensor)



Rainproof cover BK-4800

L-shaped mounting bracket MB-4800

Just one unit is all you need for one side of a sheet shutter 4m(13ft) width × 4m(13ft) high!

The large, high-density detection pattern allows for high performance detection of people. (keep out of reach of small children.)

Broad and high-density detection pattern

- The unit offers high-density protection field (1 to 4 rows). Each row consists of 12 beams (48 beams in total).
- The unit also can offer high and broad detection area. (H4.2m X W5.0m X D3.3m)

Easy adjustment of detection pattern

- Pattern depth is adjustable with a dip switch
- Pattern width is adjustable with a area adjustment lever.

Motion detection + Stationary detection

The unit offers motion detection system in 3 & 4 rows and stationary detection system in 1 and 2 rows.

Self Diagnostic function (ON/OFF selectable)

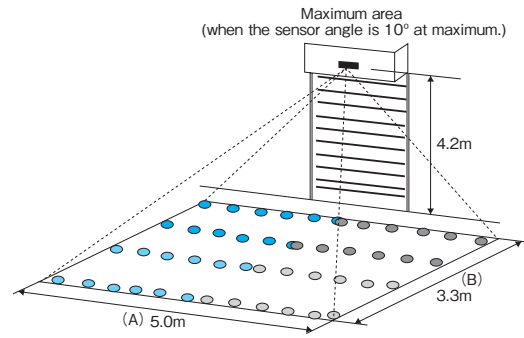
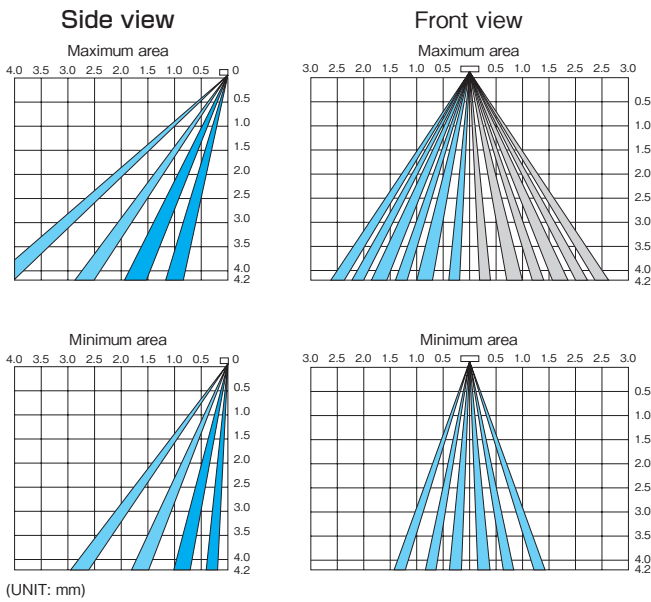
DA-4800H offers a self-diagnostic function. Operation LED will blink between Red and Green, when a sensor finds a malfunction.

Other features

- Microprocessor provides programmable Stationary Timer (∞ , 10 min., 60 sec., 2 sec.).
- 'Snow mode' prevents malfunction due to falling snow, falling leaves, insects, etc.
- Sensitivity is adjustable with a sensitivity adjustment volume.
- Operation LED is available for operation check.

Active Infrared DOOR SENSOR

OPTICAL AREA DIAGRAM



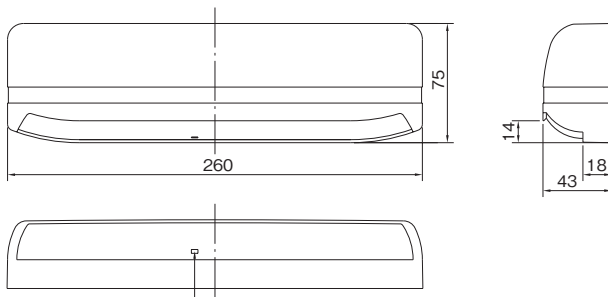
Area dimensions

| Height | 2.5 | 3.0 | 3.5 | 4.2 |
|-----------|-----|-----|-----|-----|
| Width (A) | 3.0 | 3.5 | 4.2 | 5.0 |
| Depth (B) | 2.0 | 2.4 | 2.9 | 3.3 |

(UNIT: mm)

※ The actual optical area may differ from the above diagram depending on a person's clothing, and/or speed of approach, as well as color differences or material on the floor.

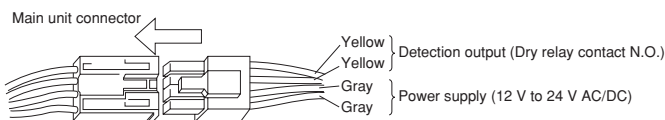
EXTERNAL DIMENSIONS (UNIT: mm)



Operation LED : When monitoring=Green LED ON
: When detecting=Red LED ON

※ We recommend simultaneously using an auxiliary sensor that includes a photoelectric beam switch in order to prevent people from being stuck in a shutter.

WIRING DIAGRAM



SPECIFICATIONS

| | | |
|---------------------------|--|------------------------------|
| Model No. | DA-4800H | |
| Detection system | Active Infrared Detection | |
| Mounting height | 2.5 to 4.2m | |
| Sensitivity adjustment | Adjustable with a sensitivity adjustment volume | |
| Area adjustments range | Angle adjustment 0° to 10° in 5 steps Pattern Depth (1 to 4 Rows) Selectable with a dip switch Single sliding door/Bi-parting sliding door: Area adjustment lever Position 1 to 5 | |
| Supply voltage | 12 to 24V AC or DC ± 10% | |
| Power/Current consumption | AC 24V - 3VA DC 24V - 75mA | AC12V - 3VA DC12V - 150mA |
| Detection output | Dry contact relay output 1a (When detecting: closed) Contact capacity: 50V DC 0.1A (Resistor load) | |
| Output holding time | Approx. 0.5 sec. | |
| Stationary timer | Limits of ∞, 10min, 60 sec., 2 sec. | |
| LED | Red-Detecting, Green-Standby Orange-Detecting shutter, Blinks between Red and Green-Abnormal | |
| Ambient temperature range | -20°C to 60°C | |
| Mounting position | Wall (Indoor) | |
| Weight | 350g | |
| Appearance | Silver | |

Please note : This sensor is designed to detect intrusion and to initiate an alarm; it is not a burglary prevention device. TAKEX is not responsible for damage, injury or loss caused by accident, theft, Acts of God (including inductive lightning surges), abuse, misuse, abnormal usage, faulty installation or improper maintenance.

TAKEX

In Japan

Takenaka Engineering Co.,Ltd.
83-1, Gojo-sotokan,
Higashino, Yamashina-ku,
Kyoto 607-8156, Japan
Tel : 81-75-501-6651
Fax : 81-75-593-3816
<http://www.takex-eng.co.jp>

In the U.S.

TakexAmerica Inc.
3350, Montgomery Drive,
Santa Clara,
CA 95054, U.S.A.
Tel : 408-747-0100
Fax : 408-734-1100
<http://www.takex.com>

In Australia

Takex America Inc.
Unit 16, 35 Garden Road,
Clayton 3168, Victoria,
Australia
Tel : 03-9546-0533
Fax : 03-9547-9450

Takex America Inc.
Brisbane office:1/50 Logan
Road, Woolloongabba
Queensland
4102, Australia
Tel : 07-3891-3344
Fax : 07-3891-3355

In the U.K.

Takex Europe Ltd.
Takex House, Aviary Court,
Wade Road, Basingstoke,
Hampshire. RG24 8PE, U.K.
Tel : (+44)01256-475555
Fax : (+44)01256-466268
<http://www.takexeuropa.com>