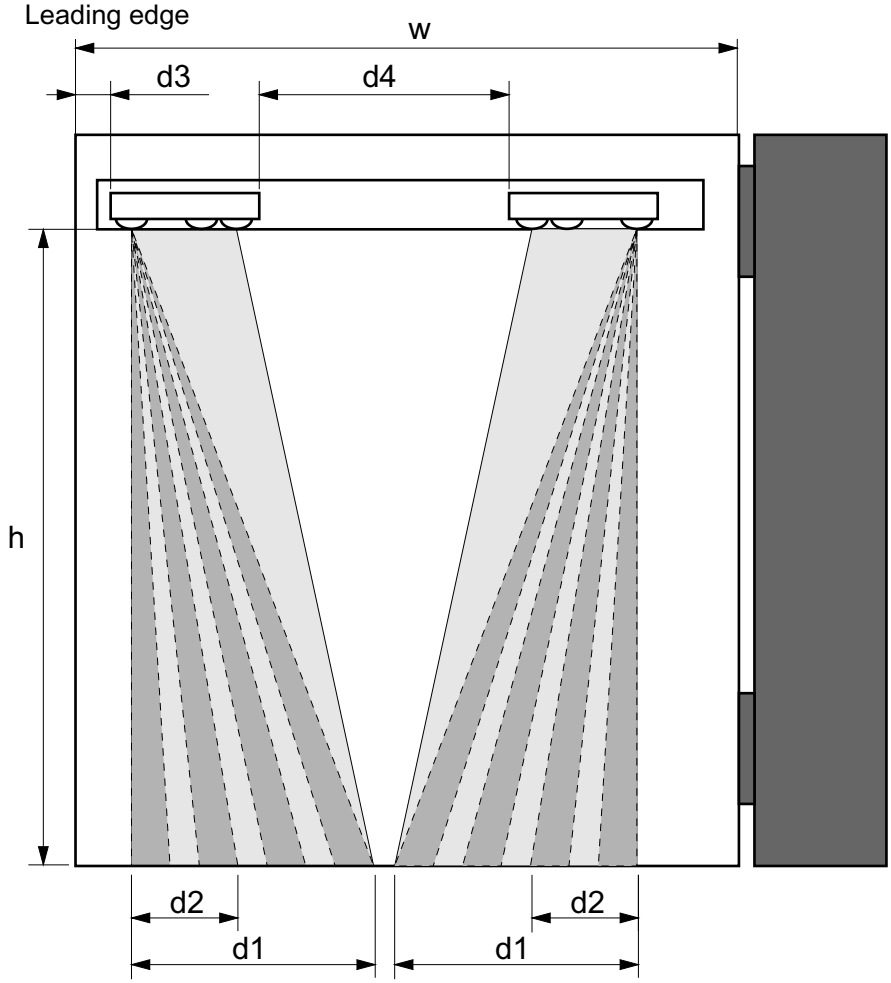
Recommended installation position



W = Door width
h = Mounting height
d1/ d2 = Detection area width
d3 = Distance from the leading edge to the sensor module
d4 = Distance between sensor modules
n = Number of sensor modules

unit : mm (inch)

W				914 (36")		1067 (42")		1219 (48")	
h	d1	d2	d3	n	d4	n	d4	n	d4
1800 (5'11")	480 (1'7")	280 (11")	70 (2 3/4")	2	165 (6 1/2")	2	320 (12 5/8")	2	470 (18 1/2")
1900 (6'3")	510 (1'8")	290 (11 7/16")	70 (2 3/4")	2	170 (6 11/16")	2	320 (12 5/8")	2	475 (18 11/16")
2000 (6'7")	525 (1'9")	300 (11 13/16")	70 (2 3/4")	2	170 (6 11/16")	2	325 (12 13/16")	2	475 (18 11/16")
2100 (6'11")	545 (1'10")	310 (12 3/16")	70 (2 3/4")	2	170 (6 11/16")	2	325 (12 13/16")	2	475 (18 11/16")
2200 (7'3")	560 (1'10")	320 (12 5/8")	70 (2 3/4")	2	175 (6 7/8")	2	330 (13")	2	480 (18 7/8")
2300 (7'7")	590 (1'11")	330 (13")	70 (2 3/4")	2	175 (6 7/8")	2	330 (13")	2	480 (18 7/8")
2400 (7'11")	605 (1'12")	340 (13 3/8")	70 (2 3/4")	2	175 (6 7/8")	2	330 (13")	2	480 (18 7/8")
2500 (8'2")	625 (2'1")	350 (13 3/4")	70 (2 3/4")	2	175 (7 1/16")	2	335 (13 3/16")	2	485 (19 1/8")

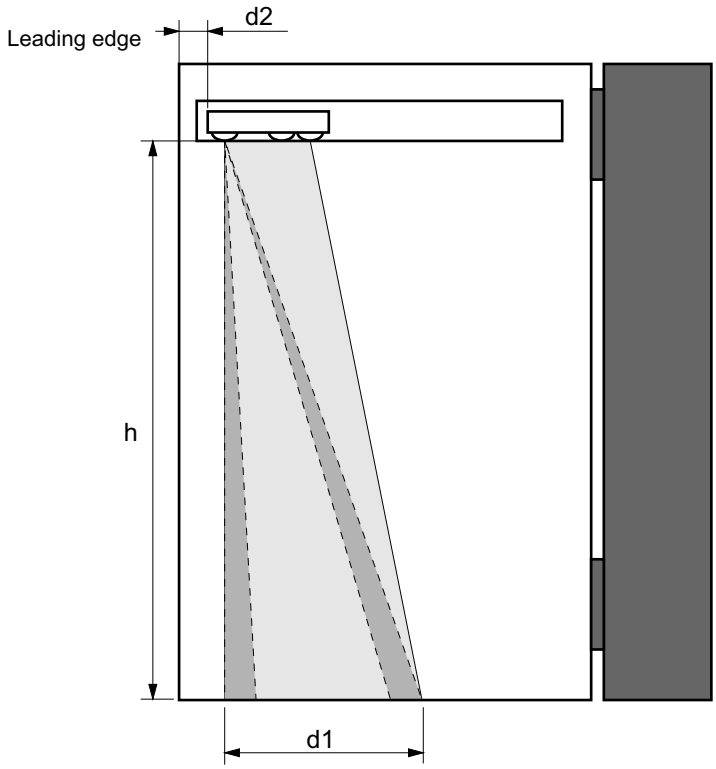
NOTE The actual detection area may become smaller depending on the ambient light, the color / material of the object or the floor as well as the entry speed of the object and selection of inactive area.

Detection area per a module

Detection area at 2200mm (7' 2 5/8") : Depth 140 (5 1/2") x Width 560 (1' 10")

Emitting area at 2200mm (7' 2 5/8") : Depth 140 (5 1/2") X Width 440 (1' 5 1/2")

Recommended installation position



unit : mm (inch)

h	d1	d2
1800 (5'11")	480 (1'7")	70 (2 3/4")
1900 (6'3")	510 (1'8")	70 (2 3/4")
2000 (6'7")	525 (1'9")	70 (2 3/4")
2100 (6'11")	545 (1'10")	70 (2 3/4")
2200 (7'3")	560 (1'10")	70 (2 3/4")
2300 (7'7")	590 (1'11")	70 (2 3/4")
2400 (7'11")	605 (1'12")	70 (2 3/4")
2500 (8'2")	625 (2'1")	70 (2 3/4")

h = Mounting height d1 = Detection area width d2 = Distance from the leading edge to the sensor module

NOTE The actual detection area may become smaller depending on the ambient light, the color / material of the object or the floor as well as the entry speed of the object.

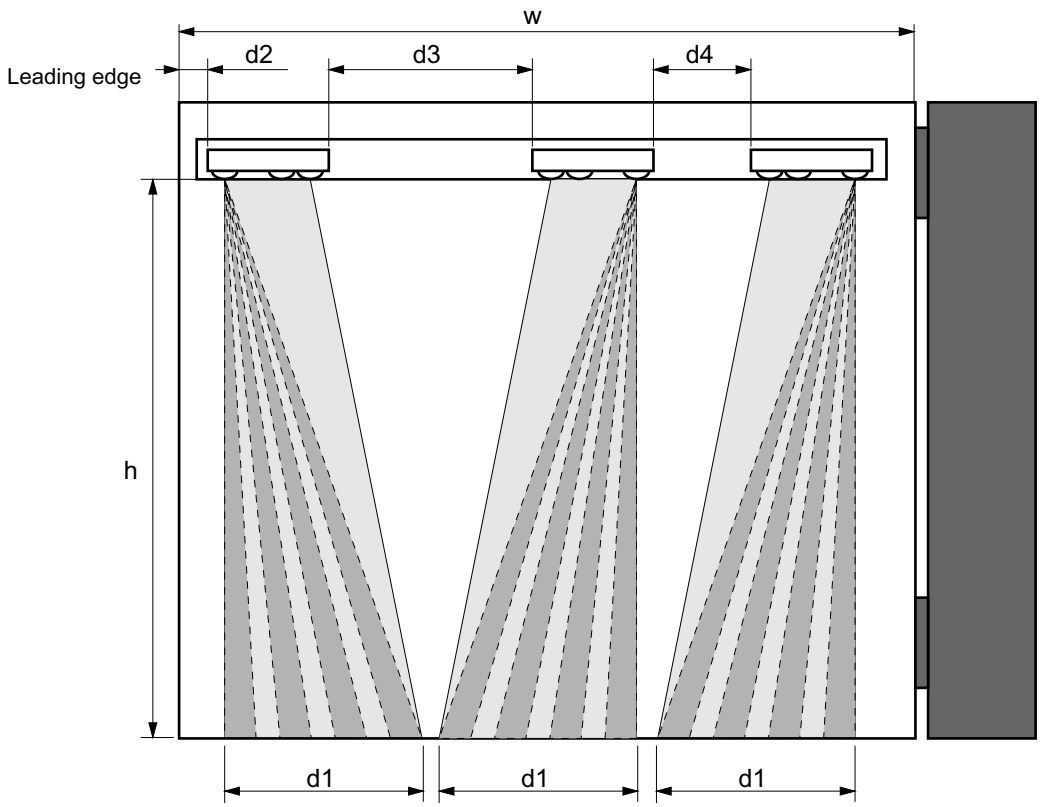
Detection area per a module

Detection area at 2200mm (7' 2 5/8") : Depth 140 (5 1/2") x Width 560 (1' 10")

Test conditions required by DIN 18650 Detection object : DIN 18650 Test body CA

Emitting area at 2200mm (7' 2 5/8") : Depth 140 (5 1/2") X Width 440 (1' 5 1/2")

Recommended installation position



W = Door width d2 = Distance from the leading edge to the sensor module
h = Mounting height d3 / d4 = Distance between sensor modules
d1 = Detection area width n = Number of sensor modules unit : mm (inch)

W			900 (2'12")			1100 (3'7")			1200 (3'11")		
h	d1	d2	n	d3	d4	n	d3	d4	n	d3	d4
1800 (5'11")	480 (1'7")	70 (2 3/4")	2	150 (5 7/8")	-	2	350 (1'2")	-	3	90 (3 5/8")	90 (3 5/8")
1900 (6'3")	510 (1'8")	70 (2 3/4")	2	155 (6 1/8")	-	2	355 (1'2")	-	3	90 (3 5/8")	90 (3 5/8")
2000 (6'7")	525 (1'9")	70 (2 3/4")	2	155 (6 1/8")	-	2	355 (1'2")	-	3	90 (3 5/8")	90 (3 5/8")
2100 (6'11")	545 (1'10")	70 (2 3/4")	2	160 (6 3/8")	-	2	360 (1'2")	-	3	90 (3 5/8")	90 (3 5/8")
2200 (7'3")	560 (1'10")	70 (2 3/4")	2	160 (6 3/8")	-	2	360 (1'2")	-	2	460 (1'6")	-
2300 (7'7")	590 (1'11")	70 (2 3/4")	2	165 (6 1/2")	-	2	365 (1'2")	-	2	460 (1'6")	-
2400 (7'11")	605 (1'12")	70 (2 3/4")	2	165 (6 1/2")	-	2	365 (1'2")	-	2	465 (1'6")	-
2500 (8'2")	625 (2'1")	70 (2 3/4")	2	170 (6 3/4")	-	2	370 (1'3")	-	2	470 (1'7")	-

NOTE The actual detection area may become smaller depending on the ambient light, the color / material of the object or the floor as well as the entry speed of the object.

SPECIFICATIONS

Active Infrared Sensor

OA-EDGE1/EDGE2

Model *	: OA-EDGE1 / OA-EDGE2
Extrusion color	: Silver / Black
Mounting height	: 1.5 (4'11") to 3.0m (9'10")
Detection area	: See **DETECTION AREA**
Detection method	: Triangulation
Min. configuration	: 1 master module +1 LED module
Max. configuration	: 4 sensor modules +2 LED modules
Depth angle adjustment	: 0° to +25°
Power supply	: 12 to 24VAC ±10% (50 / 60 Hz) 12 to 30VDC ±10%
Power consumption	: < 1.3W (< 2VA at AC) at Min. configuration < 3.5W (< 4.5VA at AC) at Max. configuration
LED indicator	: See chart below
Output **	: Form C relay Voltage / 42VDC Current / 0.3A Max (Resistance load)
Output hold time	: Approx. 0.5 sec.
Response time	: <75msec.
Operating temperature	: -20 to +55°C (-4 to 131°F)
Operating humidity	: <80%
IP rate	: IP54

Accessories

- Silver self tap screw for extrusion ---------- 2pcs
- Silver wood screw for extrusion ---------- 2pcs
- Black small screw for endcap ---------- 4pcs
- Black large screw for wire shroud cover ---------- 2pcs (4pcs***)
- Wire shroud ---------- 1pcs
- Wire shroud cover ---------- 1pcs (2pcs***)
- Power supply cable ---------- 1pcs
- Communication cable ---------- Refer to matrix
- Manual ---------- 1pcs

Model	Sensor length	Cable length			
		105 (4")	250 (10")	480 (19")	900 (35")
OA-EDGE 1	13.5	1pcs	1pcs	-	-
	34.5	-	1pcs	1pcs	-
	40	-	1pcs	-	1pcs
	44	-	1pcs	-	1pcs
OA-EDGE 2	34.5	1pcs	1pcs	1pcs	-
	40	1pcs	1pcs	1pcs	-
	44	1pcs	1pcs	1pcs	-

* : OA-EDGE1 have 1 sensor module (Master only).
OA-EDGE2 have 2 sensor modules (Master + Slave).

** : There are two types of output. (Reactivate & Stall)

*** : This is only OA-EDGE1 13.5

LED indicator

Status	Sensor module indicator
Stand-by	Solid Green
Opening side detection (output 1)	Solid Red
Closing side detection (output 2)	Solid Orange
Incomplete Initialization	Red & Green blinking
Learning	Blinking Yellow
Incomplete learning	Yellow & Red blinking
Signal saturation	Slow Red blinking
Sensor failure	Fast Red blinking
Communication error	Twice Orange blinking

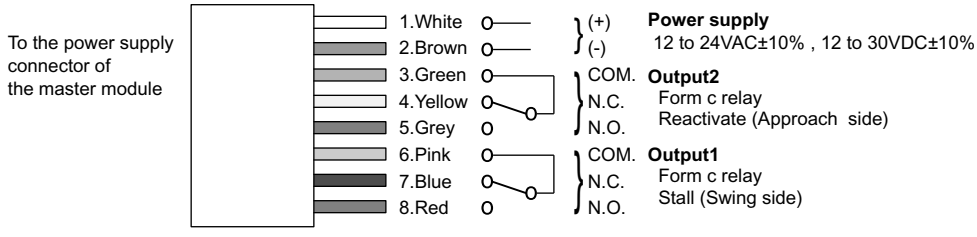
LED module indicator

The color depends on the state of the output.

Safety / Test output 1
OFF : Solid Green
ON : Solid Red

Safety / Test output 2
OFF : Solid Green
ON : Solid Orange

Wiring



Profile color	: Silver / Black
Mounting height	: 1.5 (4'11") to 3.0m (9'10")
Detection method	: Triangulation
Min. configuration	: 1 master module +1 LED module
Max. configuration	: 4 sensor modules +2 LED modules
Depth angle adjustment	: 0° to +25°
Power supply	: 12 to 24VAC ±10% (50 / 60 Hz) 12 to 30VDC ±10%
Power consumption	: < 1.3W (< 2VA at AC) at Min. configuration < 3.5W (< 4.5VA at AC) at Max. configuration
LED indicator	: See chart below
Test input	: Opto coupler 10 to 30VDC Current / 6mA Max.
Safety / Test output 1 Safety / Test output 2	: Form C relay Voltage / 42VDC Current / 0.3A Max (Resistance load) Output : see drawing below
Output hold time	: Approx. 0.5 sec.
Response time	: <75msec.
Operating temperature	: -20 to +55°C (-4 to 131°F)
Operating humidity	: <80%
IP rate	: IP54

* : The sensor has to be connected to a door system is equipped with a SELV circuit.
The overcurrent protection of power supply cable has to be less than 2A.

LED indicator

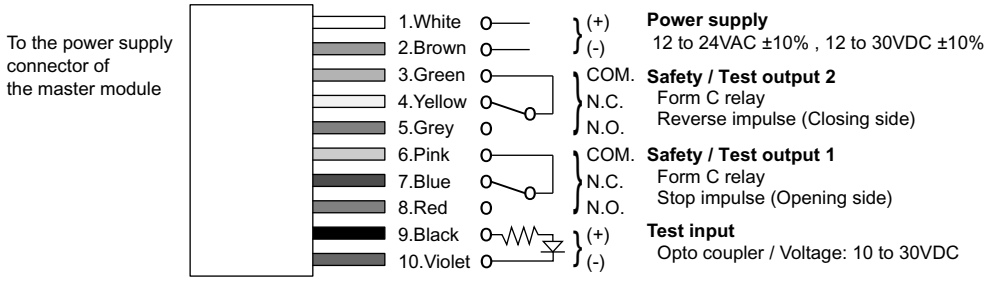
Status	Sensor module indicator
Stand-by	Solid Green
Opening side detection (output 1)	Solid Red
Closing side detection (output 2)	Solid Orange
Incomplete Initialization	Red & Green blinking
Learning	Blinking Yellow
Incomplete learning	Yellow & Red blinking
Signal saturation	Slow Red blinking
Sensor failure	Fast Red blinking
Communication error	Twice Orange blinking

LED module indicator
The color depends on the state of the output.

Safety / Test output 1
OFF : Solid Green
ON : Solid Red

Safety / Test output 2
OFF : Solid Green
ON : Solid Orange

Wiring



SPECIFICATIONS

Active Infrared Sensor

OA-EDGE T

Profile color	: Silver / Black
Mounting height	: 1.5 (4'11") to 3.0m (9'10") *
Detection method	: Triangulation
Min. configuration	: 1 master module +1 LED module
Max. configuration	: 4 sensor modules +2 LED modules
Depth angle adjustment	: 0° to +25°
Power supply	: 12 to 24VAC ±10% (50 / 60 Hz) 12 to 30VDC ±10%
Power consumption	: < 1.3W (< 2VA at AC) at Min. configuration < 3.5W (< 4.5VA at AC) at Max. configuration
LED indicator	: See chart below
Test input	: Opto coupler 10 to 30VDC Current / 6mA Max.
Safety / Test output 1 Safety / Test output 2	: Form C relay Voltage / 42VDC Current / 0.3A Max (Resistance load) Output : see drawing below
Output hold time	: Approx. 0.5 sec.
Response time	: <75msec.
Operating temperature	: -20 to +55°C (-4 to 131°F)
Operating humidity	: <80%
IP rate	: IP54
Noise level	: <70dBA
Category	: 2 (EN ISO13849-1 : 2008)
Performance level	: d (EN ISO13849-1 : 2008)

* : To comply with DIN18650 to install the sensor at 1.8m (5'11") to 2.5m (8'2").

* : The sensor has to be connected to a door system is equipped with a SELV circuit.
The overcurrent protection of power supply cable has to be less than 2A.

LED indicator

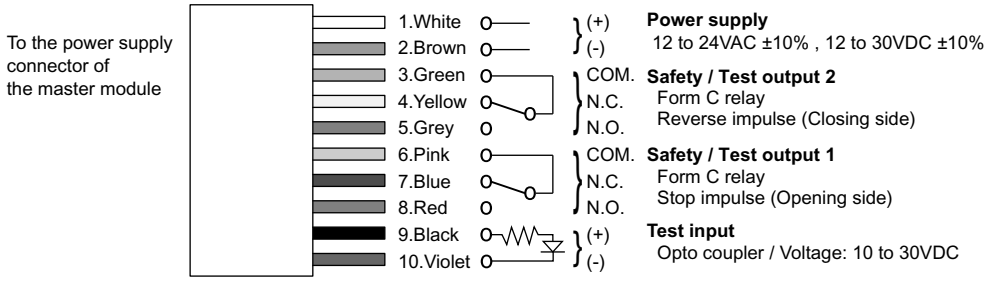
Status	Sensor module indicator
Stand-by	Solid Green
Opening side detection (output 1)	Solid Red
Closing side detection (output 2)	Solid Orange
Incomplete Initialization	Red & Green blinking
Learning	Blinking Yellow
Incomplete learning	Yellow & Red blinking
Signal saturation	Slow Red blinking
Sensor failure	Fast Red blinking
Communication error	Twice Orange blinking

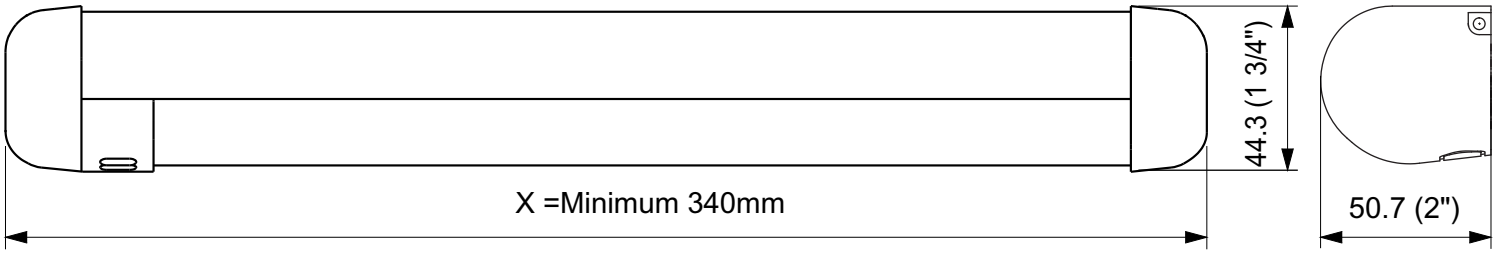
LED module indicator
The color depends on the state of the output.

Safety / Test output 1
OFF : Solid Green
ON : Solid Red

Safety / Test output 2
OFF : Solid Green
ON : Solid Orange

Wiring





Unit:mm(inch)