



# BEAM SENSORS

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# GBS-10A/30A/60A

## STANDARD VERSION PHOTOBEAM SENSOR



### FEATURES

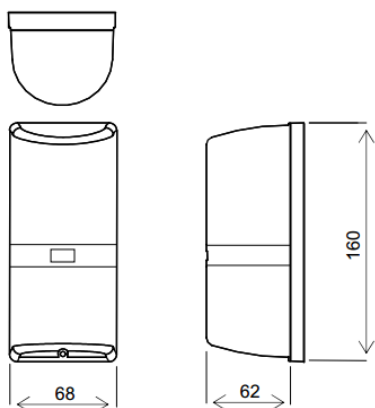
- Powerful & Reliable Twin Beam Sensor
- Against Salty Air & High Humidity
- Excellent External Light Immunity
- Easy Beam Alignment
- Against Frost & Dew
- Max. Distance 10 Times
- **GBS-10A : Outdoor 10m/Indoor 20m**
- **GBS-30A : Outdoor 30m/Indoor 60m**
- **GBS-60A : Outdoor 60m/Indoor 120m**

### SPECIFICATION

	GBS-10A	GBS-30A	GBS-60A
Protection Dist. (Outdoor/Indoor)	10m/20m	30m/60m	60m/120m
Detection Method	Twin Synchronized Pulsed Beams		
Beam Characteristic	Pulsed Infrared		
Response Time	50 ~ 500mS		
Supply Voltage	DC10 ~ 24V(Non Polarity)		
AGC Voltage	Alarm : 2.0V under, Ready : 2.2~2.9V, Good : 3.0V over		
Power Consumption	Rx. : 24mA / Tx. : 24mA(Max.)		
Alarm Output	Dry contact relay output 1C(COM, NC, NO) Reset : Interruption Time + Off + Relay (Approx. 1sec)		
Operating Temp.	-25°C ~ +60°C		
Temper Output	Dry Contact, Micro SW ( COM, NC)		
Beam Adjustment	Horizontal : 180° (± 90°), Vertical : 20° (± 10°)		
Color	Black		
Dimension	68mm(W) x 160mm(H) x 62mm(D)		
Weight	690g		
Bracket	Pole Bracket		

\* Specification and design are subject to change without prior notice for improvement

### DIMENSION



# GBS-60P/90P/120P

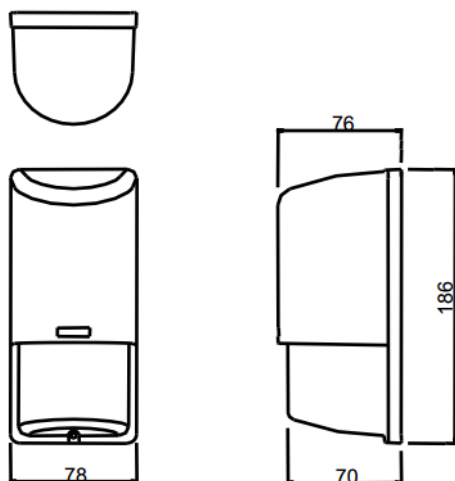
## SPERIOR VERSION PHOTOBEAM SENSOR



### FEATURES

- Digital 4CH Frequency & Digital CPU for Great Stability
- Twin Synchronized Pulsed Beams
- AGC(Auto Gain Control) Circuit
- Beam Blocking Stability
- Easy Beam Alignment
- Fine Angle Adjustment for Alignment
- Against Frost & Dew
- IP65 Rated
- GBS-60P : Outdoor 60m
- GBS-90P : Outdoor 90m
- GBS-120P : Outdoor 120m

### DIMENSION



### SPECIFICATION

	GBS-60P	GBS-90P	GBS-120P
Protection Distance	60m	90m	120m
Detection Method	Twin Synchronized Pulsed Beams		
Infrared Beam	IR LED		
Response Time	50 ~ 500mS		
Supply Voltage	DC10 ~ 24V(Non Polarity)		
AGC Voltage	Alarm : 2.0V under, Ready : 2.1~2.9V, Good : 3.0V over		
Power Consumption	Rx. : 24mA / Tx. : 24mA(Max.)		
Alarm Output	Dry contact relay output 1C(COM, NC, NO) Reset : Interruption Time + Off + Relay (Approx. 1sec)		
Operating Temp.	-25°C ~ +60°C		
Temper Output	Dry Contact, Micro SW ( COM, NC)		
Beam Adjustment	Horizontal : 180° (± 90°), Vertical : 20° (± 10°)		
Color	Black		
Dimension	78mm(W) x 186mm(H) x 76mm(D)		
Weight	980g		
Bracket	Pole Bracket		

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# GBS-100Q/200Q

## Photoelectric Quad Beam Sensor

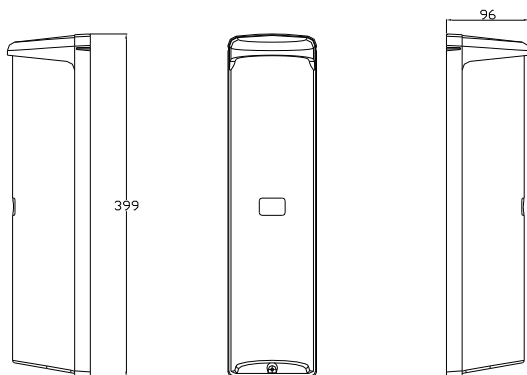


### FEATURES

- High Power IR Diode for Long Distance
- 4CH Frequency Selections for Protect Interference
- Environmental Module
- Programmable AGC Function
- Alarm Memory Indicator
- Audible Signal for Alignment
- Re-transmitting Function
- Monitor Output
- 5 Level LED Display
- Response Time Change Over
- Tamper

### DIMENSION

(Unit : mm)



### SPECIFICATION

	GBS-100Q	GBS-200Q
CH	4CH	
Protection Dist.	Outdoor 100m	Outdoor 200m
Response Time	50m/sec ~ 700m/sec	
<b>OUTPUT</b>		
Alarm	Dry Contact Relay : 1c (COM. NC. NO) Operation : Irruption Time + 2sec Capacity : AC/DC 30V, 1A or Less	
Environmental Output	Dry Contact Relay : 1b (COM. NC.) Operation : Output when weather condition get worse Capacity : AC/DC 30V, 1A or Less	
Tamper	Dry Contact Relay : 1b (COM. NC.) Operation : Output when cover is detached Capacity : AC/DC 30V, 1A or Less	
<b>DISPLAY</b>		
Alarm LED	Red LED(Receiver) lights when Alarm is initiated	
Memory LED	LED lights when alarm initiated and memory set	
Level LED	5 Types (Excellent, Good, Fair, Realign, Poor)	
<b>GENERAL INFO.</b>		
Beam Adjustment	Horizontal $\pm 90^\circ$ , Vertical $\pm 10^\circ$	
Functions	Tone Indicator, Beam Frequency Selection, Beam Power Setting(Low, High) Programmed AGC, Alarm Memory Selection	
Voltage	DC10 ~ 30V(Non Polarity)	
Power Consump.	900mA(Trans. 30mA, Receiver 60mA)	
Temperature	$-35^\circ\text{C} \sim +65^\circ\text{C}$	
IP rated	IP55	
Color	Black	
Material	PC Resin	
Dimension	103mm(W) x 399mm(H) x 96mm(D)	
Weight	Tx. : 1,200g Rx. : 1,200g	

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# GBS-SL/SLS

## POWER LED Strobe Light

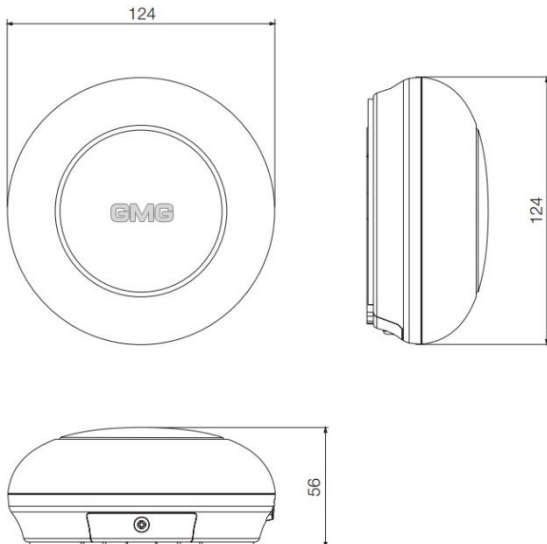


### FEATURES

- Turn on Light & Siren When an Intrusion is Detected
- POWER LED equipped
- Light Resolution Cycle : 60/min.
- Siren Embedded(GBS-SLS)

### DIMENSION

(Unit : mm)



### SPECIFICATION

	GBS-SL	GBS-SLS
Voltage	DC 12V (Red (+) , Black (-))	
Power Consumption	Max. 45mA	Max. 170mA
Light Source	White Light Source POWER LED	
<b>POWER LED</b>		
Activation	When an alarm occurs	
Blinking Frequency of Alarm	60 times $\pm$ 3 (per minute)	
<b>SIREN</b>		
Activation Time	N/A	15 seconds from the start of alarm ( $\pm$ 3 seconds)
dB	N/A	90dB (Based on 30cm distance)
<b>GENERAL INFO.</b>		
Color	Blue	
Material	PC Resin	
Dimension	124mm(W) x 124mm(H) x 56mm(D)	
Weight	270g	

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# GBS-1200

## Quad PIR Motion Detector

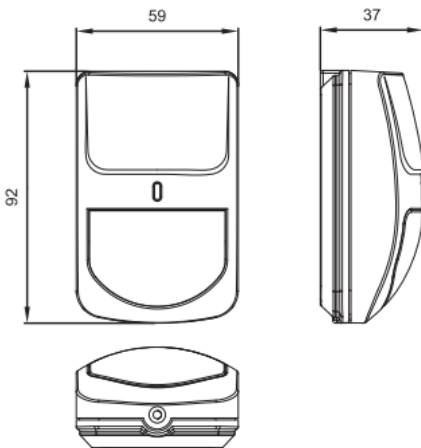


### FEATURES

- QUAD Elements
- Easy Installation on the wall / Ceiling
- Alarm Memory and Alarm Indicator
- Counter and Sensitivity Setting
- Output Contact(N.C, N.O)
- Alarm LED

### DIMENSION

(Unit : mm)



### SPECIFICATION

GBS-1200	
Type	Wall
Voltage / Power Consumption	DC 10 ~ 18V / 14mA
Scanning Distance	90° x 12m
Zone	Dual (15 Zone)   Quad (30 Zone)
Height (Installation)	1.8 ~ 3m
Sensing Rate	0.2ms(Min) ~ 1.5ms(Max.)
Alarm Output	N.C / N.O
Pet Immunity	-   Max. 20Kg
Pulse Count	2 / 4
Tamper Switch	N.C
Adjust PIR Sensitivity	H.L
LED Operation	Turn on and off the LED Indicator in case of an alarm blink for 47minutes 3minutes after memory setting
Temp./Humid.	-10°C ~ +50°C / 95%(Max.)
<b>GENERAL INFO.</b>	
Color	White
Material	PC Resin
Dimension	59mm(W) x 92mm(H) x 37mm(D)
Weight	109g
IP	IP32

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# GBS-500

## Directional PIR Motion Detector

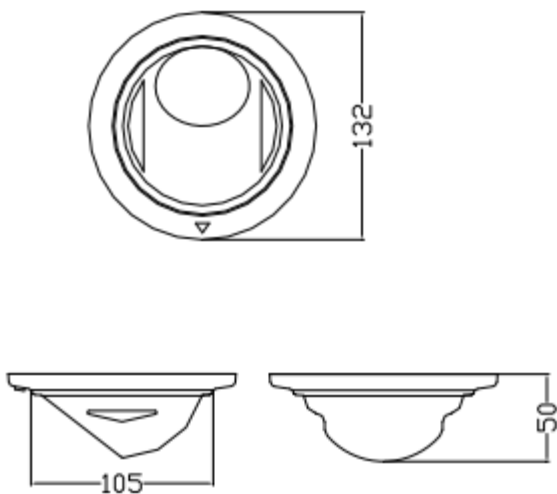


### FEATURES

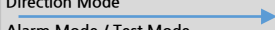
- For Ceiling Type
- Reduce False Alarm
- Reliable Sensor with Mirror Lens
- Easy Installation
- High Density SMT Design
- High EMI/RFI Immunity

### DIMENSION

(Unit : mm)



### SPECIFICATION

		GBS-500
Operating Mode	Direction Mode & Long Range Mode	
Direction Range	12m	
Voltage / Power Consumption	DC 10 ~ 24V / 22mA	
Zone	16 Zone	
Height (Installation)	1.8 ~ 3m(Standard Height : 2.5m)	
Detecting Speed	0.2ms(Min), 4ms(Max.)	
Alarm Output	1A (DC 30V), within 2 Sec.	
LED Display Mode	Direction Mode Alarm Mode / Test Mode 	Long Range Mode
Green	Alarm Delay Time/Left Zone Detected	-
Red	Alarm / Right Zone Detected	Alarm
Dimension	132mm(Ø) x 50mm(H)	
Weight	90g	
Temp./Humid.	-20° ~ +60° / 95%	

\* Specification and design are subject to change without prior notice for improvement

NETWORK

HD-SDI

ANALOG

WIRELESS

SENSOR

INDUSTRIAL

# GBS-100/101

## Directional PIR Motion Detector



### FEATURES

- For Ceiling Type
- Reduce False Alarm
- Reliable Sensor with Mirror Lens
- Easy Installation
- High Density SMT Design
- High EMI/RFI Immunity

### SPECIFICATION

	GBS-100	GBS-101
Operating Mode	Direction Mode	Long Range Mode
Direction Range	12m, 85°	
Voltage / Power Consumption	DC 10 ~ 24V / 16mA	
Zone	16 Zone	
Height (Installation)	1.8 ~ 3m	
Response Time	0.2ms(Min), 4ms(Max.)	
Alarm	2 Sec.	
LED	Alarm : LED On	
Output Contact	1A	
Dimension	132mm(Ø) x 52mm(H)	
Weight	90g	
Temp./Humid.	-20° ~ +60° / 95%	
IP	IP30	

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### DIMENSION

(Unit : mm)

