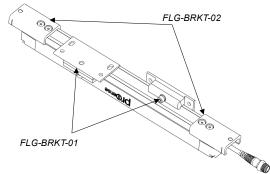
) (Sense

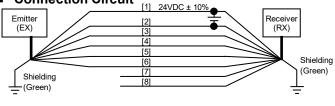


Bracket Installation



FLG-BRKT-01: Bracket's direction base on the customer's frame position. FLG-BRKT-02: Suggest attaching brackets with fastener at both ends of the aratina

Connection Circuit



Number	FLG-xxx-xxxx-EX	FLG-xxx-xxxx-RX	
1	VC	C (Brown)	
2	G	ND (Blue)	
3	SYN	C+ (Orange)	
4	SYNC- (Orange/ White)		
5	FB- (Pink/ White)		
6	FB+ (Pink)		
7	-	NPN (Black)	
8	- PNP (White)		
First step: Power on the Emitter then the Receiver.			

Second step: If the Emitter and Receiver indicator is blue, then slightly rotate the Emitter or Receiver until green led illuminates.

Output Status

In the Detection Area	NPN/PNP Output	Red Light	Green Light
Object	OFF	ON	OFF
No Object	ON	OFF	ON

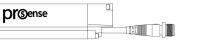
Troubleshooting

Indicator	Cause	Solution			
All are off	Poor power contact	✓ Please check if the power connection or the pin of the connector is bent.			
Red and green lights flash irregularly	Poor optical axis alignment	 Check if it shows green light when align in short distance. Check the module and bracket installed flat. Check if the fixing method is susceptible to vibration. 			
	Electrical interference	 ✓ Check if the shield is connected to a clean ground. ✓ Whether External high power machine shutdown is improved? 			
	light source interference	 ✓ Is there any external glare that affects? ✓ Adjacent light curtain installation, using Emitter/Receiver interleaving. 			
Red/Green/blue lights are on	Over current	✓ Check output load			
Orange light is on	Connection Failed Out of the power range	✓ Check the connection and supply voltage			
	Internal Beam or Voltage Failed	✓ Contact Automation Direct Tech support			

※ All situation happens will make the output become the OFF state.

Dimension (Unit: mm)





34	-5(0	J
		28	•
			1

A0

	Hazardous Substances					
Part Name	(Pb)	(Hg)	(Cd)	(Cr(VI))	(PBB)	(PBDE)
Metal parts	\times	0	0	0	0	0
Plastic parts	0	0	0	0	0	0
Electronic	\times	0	0	0	0	0
Contacts	0	0	X	0	0	0
Cables & cabling accessories	0	0	0	0	0	0
This table is made according to SJ/T 11364						
O: Indicates that the concentration of hazardous substance in all of the homogeneous materials for this part is below the limit as stipulate in GB/T 26572 X: Indicates that the concentration of hazardous substance in at least one of the homogeneous materials used for this part is above the limit as stipulated in GB/T 26572						
			eous materials			

Area Sensor **FLG-H&A** Series Instruction Sheet

∠ Warning

- This product is designed to use under IEC 61508-5 standard "no safety requirements" and "no special safety requirements" applications
- N DO NOT connect AC power to any terminals of the sensor to avoid serious damage. Please check all wiring again before powering up the sensor.
- This device has been certified to use in a workplace or an office. If it is used in a house, it may cause electromagnetic field interference.

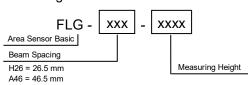
CAUTION

- * Keep high current density cables or motor cables away from the sensor; Avoid
 - high noise interfering with the sensor functions. % Do not disassemble the sensor by yourself.

Ordering Information

Cables, Brackets are ordered separately. The detail of operation in all models and the dimension of bracket, please check Automation Directs website: www.automationdirect.com

Model Ordering Information •



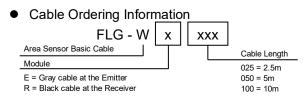
WHAT'S IN THE BOX

1. FLG-xxx-xxxx-EX Emitter with 200mm cable (Gray)

2. FLG-xxx-xxxx-RX Receiver with 200mm cable (Black)

3. Instruction Sheet

4. Bracket (FLG-BRKT-01): The number of brackets depends on Measuring height 220mm or longer and up to 300mm : 2 pcs (One set) 440mm or longer and up to 1,580mm : 4 pcs (Two set)



Bracket Ordering Information



Each set of bracket contains 2pcs

The number of brackets depends on Measuring Height, suggestion in each Emitter / Receiver

220mm to 300mm : 1 pcs; 440mm to 1,580mm : 2 pcs

Model Information

	Detection	Model	Beams	Measuring Height	Detection Distance
Hand FLG-H26-0220 ~ 1580		12 ~ 80	220 ~ 1580mm	0.1 ~ 10m	
	Arm	FLG-A46-0280 ~ 1400	8~36	280 ~ 1400mm	0.1~10m

Specifications (All models)

Voltage Range	24VDC ± 10%			
Current Consumption	EX <105mA, RX <110mA			
Light Source	Infrared LED (850nm)			
	Blue Light: the terminals in the end are aligned			
Indicator	Green Light: All beams are aligned			
maloutor	Red Light: Any beam is misaligned or blocked			
	Orange Light: the SYNC signal is missing			
Protection Circuit	Protection against reverse power connection,			
Frotection Circuit	Power supply surge, Output overcurrent, Output surge			
Response Time	FLG-H26: 3.4~23.4ms, FLG-A46: 2.6~9.8ms			
Operating Temperature	-10°C ~ 55°C, No freezing			
Storage Temperature	-25°C ~ 60°C, No freezing			
Ambient Humidity	30 ~ 85%			
Enclosure Rating	IP 67			
Ambient Light Resistance	20,000 lx or less			
Vibration Resistance	10~55 Hz, 1.5mm, 3 axes for 2 hours			
Shock Resistance	Max. 100 m/s ² , 3 axes, 6 directions and 3 times in each.			
Insulating Resistance	20 MΩ or more(500VDC)			
Withstand Voltage	1000 VAC 50/60 Hz 1min			
Material	Housing: Aluminum, Lens: PMMA,			
iviatelia	Terminal: Zinc alloy			
Cable	M12 Connector with 200mm PVC Cable			
Cable	The color of cable: Emitter: gray, Receiver: black			

FOR TECHNICAL ASSISTANCE CALL 770-844-4200