

MRPC33 Safety Reflective Photo Eye with Hood Kit

Questions? Email sales@dfsupplyinc.com



Congratulations on purchasing the MRPC33
Safety Reflective Photo Eye with Hood Kit from
DF Supply, Inc.

Follow these instructions to properly set up your Safety Reflective Photo Eye Kit with various different types of automatic gate and door openers or operators.

Wiring the Photo Eye to your Gate Opener

BROWN	POWER	
BLUE	POWER	12-30V DC/AC 60 Hz
GRAY	NORMALLY OPEN	
WHITE	COMMON	1
BLACK	NORMALLY CLOSED	

Common Wiring Ports							
	Brown	Black	Gray	White	Blue		
Apollo 635/636/835/836	12V	Not Used	14	GND	GND		
Apollo 1050i	V+	Not Used	28	29	GND		
Apollo 936i	12V	Not Used	Safety	GND	GND		
BFT Libra UL	11	18	Not Used	15	12		
BFT Rigel 5	20	3.5	Not Used	33	21		
FAAC E024U	8	4	Not Used	6	7		
FAAC 455D	17	12	Not Used	16	16		
GTO Blue Board *Must splice from battery*	Battery +	Not Used	Safety	сом	сом		
Linear Apex	DC+	Not Used	C-OBS	сом	DC-		
Linear Apex II	DC+	Not Used	C-OBS / O-OBS*	сом	DC-		
USAutomatic††	J2 Pin 12	J2 Pin 8	Not Used	J2 Pin 7	J2 Pin 2		

¹¹ When installing USAutomatic, 12V battery must be connected to properly align photo eye beam.

*Linear Apex II

Resistor From Photo Eye 1



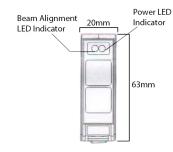
Reisistor From Photo Eye 2



Features and Specifications

- Sensing range adjustable potentiometer (optional)
- PC casing, anti fog / dew / rains
- IP-55 Water Proof
- Square/ Round Shape reflector selectable
- Wrap around mounting bracket
- Input Volt.: 12-30V DC/AC 60 Hz
- 2 LED indicators for power and beam alignment
- Hood for round / square shape reflector (optional)

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Detection Method	Retro-Reflection				
Sensing Range	10 meters				
Supply Volt	12-30V DC/AC 60 Hz				
Response Time	10 msec.				
Sensing Range (adjustable)	10m				
Emitting Element	IR LED				
LED Indicator (Left Side)	Beam Aligned	N.C.: ON	N.O.: OFF		
	Beam Broken	N.C.: OFF	N.C.: ON		
Power LED Indicator (Right Side)	When Powered: LED ON				
	Power Off: LED OFF				
Dimensions	20mm(w) x 63mm(h) x 39mm(d)				
Current Consumption	100mA				
Output Method	SPDT Relay output				
Switching Capacity	30VDC/AC, 2A				
Connection Method	Cable wires: Brown / Blue / White / Black / Gray				
Housing Method	Case: PC ; Lens: PC				
Operating Temp.	-4°F to 131°F (-20°C to 55°C)				
Water Proof	IP-55				
Cable Wires	2517 / 24AWG / 5 cores				



Disclaimer: Please note this is only a suggestion for typical applications. Your gate opener control board may vary due to manufacturer revisions. Please consult your gate opener manual for detailed instructions.

^{*}When installing for Linear Apex II, you must use 2 Photoeyes