



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.

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Wiring the Photo Eye to your Gate Opener

BROWN POWER

BLUE POWER

GRAY NORMALLY OPEN

WHITE COMMON

BLACK NORMALLY CLOSED

} 12-30V DC/AC 60 Hz

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	COM	COM
Linear Apex	DC+	Not Used	C-OBS	COM	DC-
Linear Apex II	DC+	Not Used	See Figure*	COM	DC-
USAutomatic††	J2 Pin 12	J2 Pin 8	Not Used	J2 Pin 7	J2 Pin 2

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

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.

*Linear Apex II

Resistor From Photo Eye 1

Gray Wire

C-OBS

Resistor From Photo Eye 2

Gray Wire

O-OBS

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)

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		

