

# Rebel

## MIRM-S2, MIRF-S2



## THRU-BEAM PHOTO EYE

The Rebel is an infrared thru-beam photo optic system that houses an emitter and a receiver in durable housings that can be mounted vertically or horizontally on a wall, floor, or post. When an obstruction interrupts the invisible barrier, a signal is sent to motor controls to stop and/or reverse motion. Choose from monitored or fail-safe in 30 or 50-foot range models to suit the requirements of an installation. Fail-safe photo eyes include self-monitored circuitry so that a signal is sent to the operator, regardless of loss of power, short, or blocked beam. The impact-resistance of the Rebel makes it ideal for both indoor and outdoor installations. A mounting bracket extension kit is also available.



### APPLICATIONS

- Motorized doors

### FEATURES

- 30 ft. and 50 ft. range models
- Monitored and fail-safe models
- Flexible TPE housing; impact resistant for rugged environments
- Easy alignment and diagnostics with LED indicators
- Thru-beam technology minimizes false reflective signals
- Enhanced sunlight immunity
- NEMA 4 protection from moisture, dirt, and dust
- UL 325 Recognized Component
- 2-year warranty

610-869-4422  
[www.milleredge.com](http://www.milleredge.com)







# Rebel

## MIRM-S2, MIRF-S2


### OPTIONS

- Monitored  models:
  - MIRM-S2
  - MIRM-S2-50
- Fail-safe, non-monitored  models:
  - MIRF-S2
  - MIRF-S2-50

### INCLUDED

- (1) Wired emitter
- (1) Wired receiver
- (2) Rebel housings
- (1) MIRCU-02: Infrared Control Unit (fail-safe models only)

### GENERAL SPECIFICATIONS

	MIRM-S2, MIRM-S2-50	MIRF-S2, MIRF-S2-50
<b>PERFORMANCE</b>		
Operating Range	MIRM-S2: 8-30 ft. (~2.25-9 m) MIRM-S2-50: 20-50 ft. (~6-15 m)	MIRF-S2: 8-30 ft. (~2.25-9 m) MIRF-S2-50: 20-50 ft. (~6-15 m)
Number of Elements	1 element	1 element
Maximum Ambient Light	>100,000 lux	>100,000 lux
Aperture Angle	EM: ±10°      RX: ±10°	EM: ±10°      RX: ±10°
Operating Temperature	-40° to +185°F (-40° to +85°C)	-40° to +185°F (-40° to +85°C)
Agency Approvals	 us UL 325 Recognized Component	

### ELECTRICAL

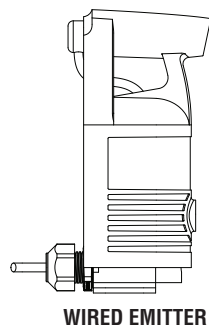
Power Source	8-30 volts AC / 12-42 volts DC	8-30 volts AC / 12-42 volts DC
Current Consumption	Aligned: 36 mA @ 24 volts AC Obstruction: 15 mA @ 24 volts AC	Aligned: 36 mA @ 24 volts AC Obstruction: 15 mA @ 24 volts AC
Relay Rating		MIRCU-02: 5A @ 250 volts AC
Output	Pulsed	N.O. and N.C.

### PHYSICAL

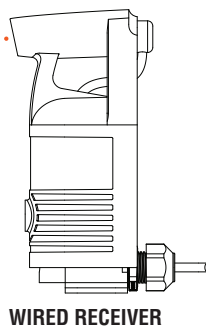
Dimensions	1 5/8 W x 5 H x 2 3/4 D in. (41 W x 127 H x 70 D mm)	
Weight	EM: 6.88 oz.      RX: 7.84 oz. (lead wire not included)	EM: 6.88 oz.      RX: 7.84 oz. (lead wire not included)
Housing Material	Flexible TPE, Steel	
Bracket Material	Steel	
LED Indicators	EM: Power      RX: Power, obstruction, misaligned	EM: Power      RX: Power, obstruction, misaligned
Cable Length	EM: 32 ft. (9.7 m)      RX: 3 ft. (0.9 m)	EM: 32 ft. (9.7 m)      RX: 3 ft. (0.9 m)
Mounting Orientation	Wall, floor, post	
Degree of Protection	NEMA 4, IP65	

### RELATED PRODUCTS

- MIR-S2-EK: Mounting bracket extension kit (pair)
- MIRCU-02: Infrared Control Unit (included with MIRF fail-safe models)



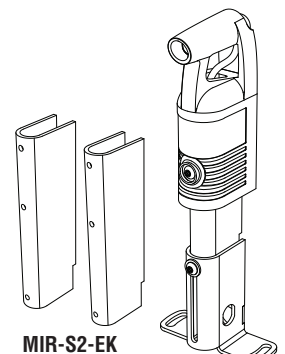
WIRED EMITTER



WIRED RECEIVER



MIRCU-02



MIR-S2-EK

Contact Miller Edge to ensure compatibility.

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