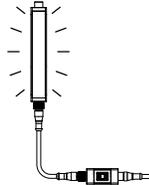
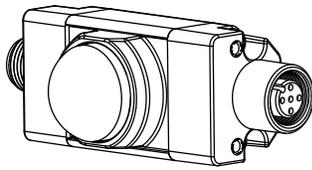


# In-Line Motion Detector



## Datasheet



- In-line motion detector switch with M12 connectors
- Rugged metal housing
- Perfect for dc-powered task lights
- Rated for up to 30 V dc



**Important:** Lea el siguiente instructivo antes de operar el luminario. Por favor descargue desde [www.bannerengineering.com](http://www.bannerengineering.com) toda la documentación técnica de los In-Line Motion Detector, disponibles en múltiples idiomas, para detalles del uso adecuado, aplicaciones, advertencias, y las instrucciones de instalación de estos dispositivos.



**Important:** Lisez les instructions suivantes avant d'utiliser le luminaire. Veuillez télécharger la documentation technique complète des In-Line Motion Detector sur notre site [www.bannerengineering.com](http://www.bannerengineering.com) pour les détails sur leur utilisation correcte, les applications, les notes de sécurité et les instructions de montage.

## Models

Model	Description	Used With
WLS28-2MQ	In-line motion detector switch	2-wire dc LED lights

## Specifications

### Supply Voltage

12 V dc to 30 V dc max  
See electrical characteristics on product label

### Current Rating

4 Amps maximum

### Motion Detection

Light turns off after approximately 60 seconds without detecting motion  
Range: 12 meters;  $\pm 45^\circ$  field of view  
Standby current: 170  $\mu$ A

### Construction

Clear anodized aluminum housing; painted zinc end caps; thermoplastic detector; zinc plated steel brackets

### Connections

Integral 4-pin M12 quick disconnect male and female fitting

### Mounting

(2) swivel brackets SMBWLS28RA included and (4) screws

### Environmental Rating

IEC IP50

### Operating Temperature

$-20^\circ\text{C}$  to  $+60^\circ\text{C}$  ( $-4^\circ\text{F}$  to  $+140^\circ\text{F}$ )

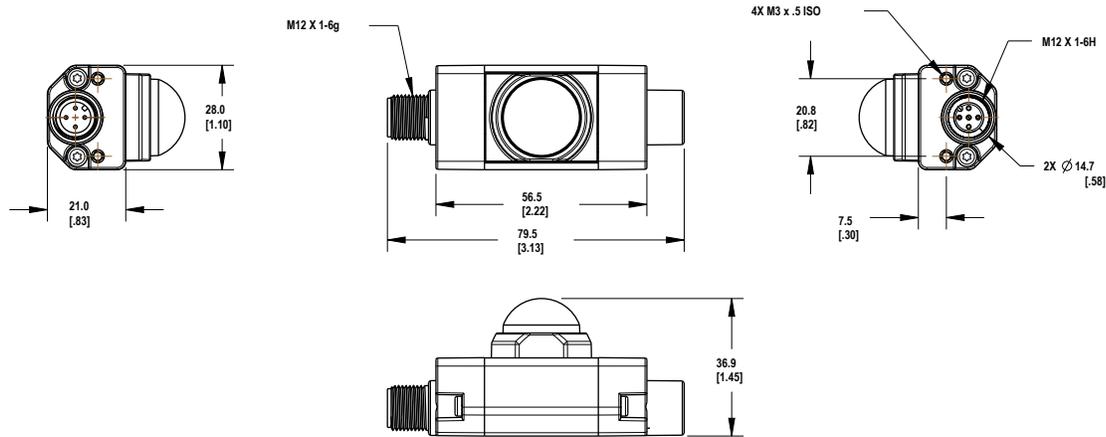
### Storage Temperature

$-40^\circ\text{C}$  to  $+70^\circ\text{C}$  ( $-40^\circ\text{F}$  to  $+158^\circ\text{F}$ )

### Certifications



## Dimensions



## Wiring Diagrams

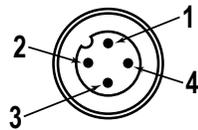


Figure 1. 4-pin M12 Male

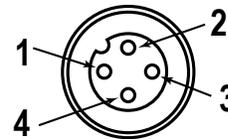


Figure 2. 4-pin M12 Female

Pin	Wire Color	Input (Male)	Output (Female)
1	Brown	V+ dc (30 V max)	V+ dc
3	Blue	dc common	dc common
4	Black	Connect to 12 to 30 V dc to bypass the motion detector switch	Not used
2	White	Not used	Not used

## Accessories

### Cordsets

4-Pin Threaded M12/Euro-Style Cordsets—Single Ended				
Model	Length	Style	Dimensions	Pinout (Female)
MQDC-406	1.83 m (6 ft)	Straight		
MQDC-415	4.57 m (15 ft)			
MQDC-430	9.14 m (30 ft)			
MQDC-450	15.2 m (50 ft)			

1 = Brown  
2 = White  
3 = Blue  
4 = Black

4-Pin Threaded M12/Euro-Style Cordsets—Single Ended				
Model	Length	Style	Dimensions	Pinout (Female)
MQDC-406RA	1.83 m (6 ft)	Right-Angle		
MQDC-415RA	4.57 m (15 ft)			
MQDC-430RA	9.14 m (30 ft)			
MQDC-450RA	15.2 m (50 ft)			

4-Pin Threaded M12/Euro-Style Cordsets—Double Ended				
Model	Length	Style	Dimensions	Pinout
MQDEC-401SS	0.31 m (1 ft)	Male Straight/ Female Straight		Female
MQDEC-403SS	0.91 m (3 ft)			
MQDEC-406SS	1.83 m (6 ft)			Male
MQDEC-412SS	3.66 m (12 ft)			
MQDEC-420SS	6.10 m (20 ft)			
MQDEC-430SS	9.14 m (30 ft)			
MQDEC-450SS	15.2 m (50 ft)			1 = Brown 2 = White 3 = Blue 4 = Black

## Brackets

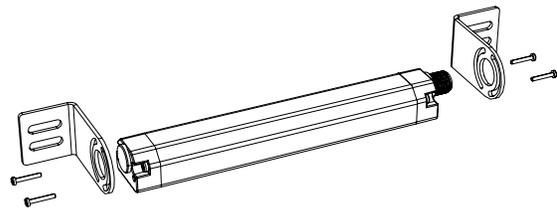
### SMBWLS28RA

The bracket kit is available as a replacement for the one that comes with the light or switch. The kit contains two end brackets and four screws.



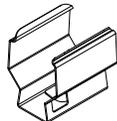
### SMBWLS28SM

This kit allows the light or switch to be mounted at a right angle to the mounting surface. The kit contains two end brackets and four screws.



### SMBWLS28SP

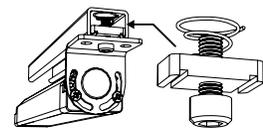
- Stainless steel snap bracket kit
- Includes two brackets



### SMH1316

This kit allows the light or switch to be mounted to a 13/16-inch Unistrut channel. Light is shown. The kit includes:

- #10-32 spring nuts (qty 2)
- #10-32 socket head cap screws (qty 2)
- #10 lock washers (qty 2)

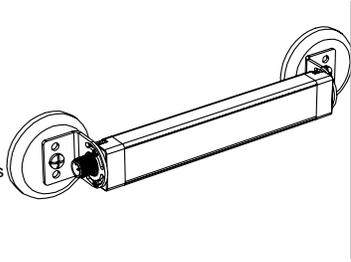


**SMBWLSMAG**

Magnetic mounting bracket for easy attachment to steel surfaces

**SMBWLSMAGR**

Protective cover also available to prevent scratches to painted surfaces



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For patent information, see [www.bannerengineering.com/patents](http://www.bannerengineering.com/patents).

## Mexican Importer

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