

**ECONO-VUE™**

## ECONOMICAL PHOTOELECTRIC SENSORS



## AC/DC MODELS

*Smallest M18 in the industry*

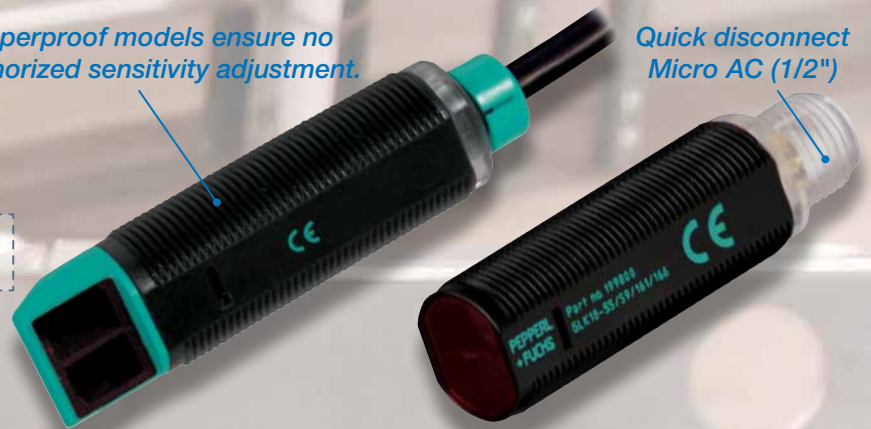
*Tamperproof models ensure no unauthorized sensitivity adjustment.*

*Quick disconnect Micro AC (1/2")*



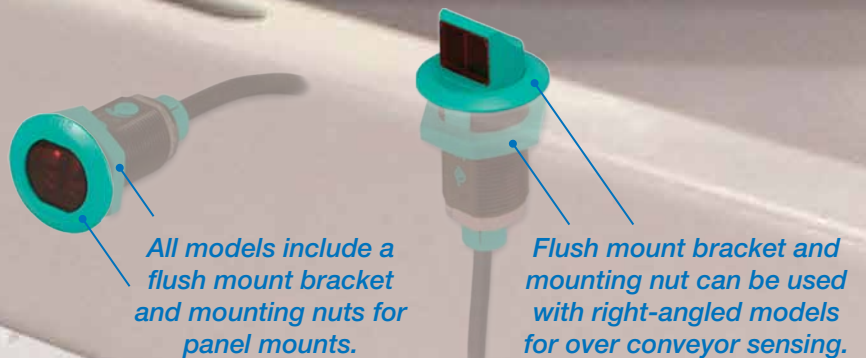
55 mm

*Actual Size*



## HOUSING STYLES

Available in straight and right-angled configurations with industry-standard M18 housings for virtually any application

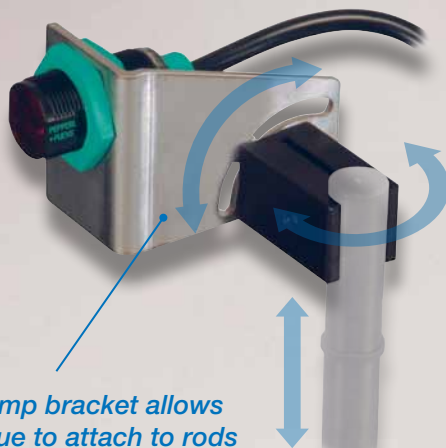


*All models include a flush mount bracket and mounting nuts for panel mounts.*

*Flush mount bracket and mounting nut can be used with right-angled models for over conveyor sensing.*

## VERSATILE MOUNTING

A variety of mounting accessories enable Econo-Vue sensors to be positioned precisely where you need them.



*Half clamp bracket allows Econo-Vue to attach to rods with multiple adjustments.*



*Integral ball and swivel bracket offers full swivel capabilities.*

LOW COST, HIGH PERFORMANCE

AN INVALUABLE TOOL FOR A VARIETY OF MARKETS AND APPLICATIONS

**DC MODELS**

Quick disconnect Micro DC (M12)

2 meter fixed cable

50% shorter than other models on the market

39.8 mm Actual Size

Diffuse mode models offer sensitivity adjustment.

Integral right-angled optics

**COMMON FEATURES**

**EconoVue™**

**HIGHLY VISIBLE LEDs**  
Dual position green LEDs for power status

**COMPACT FOOTPRINT**  
A compact housing with all of the powerful features found in larger sensors

**LOWEST POWER CONSUMPTION**  
Uses up to 50% less power than many other models on the market

Yellow LEDs indicate when light is received and flash to indicate marginal excess gain.

**SENSING MODES**

A comprehensive and powerful product line offering five sensing modes and a variety of sensing ranges in straight and right-angled housings

- DIFFUSE** — Right angle: 200 mm (7.87 ft)  
DIFFUSE — Straight: 200 mm (7.87 ft)
- LONG-RANGE DIFFUSE** — Right angle: 400 mm (15.75 ft)  
LONG-RANGE DIFFUSE — Straight: 450 mm (17.72 ft)
- POLARIZED RETRO-REFLECTIVE** — Right angle: 3.5 m (11.5 ft)  
POLARIZED RETRO-REFLECTIVE — Straight: 4 m (13.1 ft)
- RETRO-REFLECTIVE** — Right angle: 3.5 m (11.5 ft)  
RETRO-REFLECTIVE — Straight: 6.5 m (21.3 ft)
- THRU-BEAM** — Right angle: 12 m (39.4 ft)  
THRU-BEAM — Straight: 20 m (65.6 ft)

5 Sensing Modes Over 100 Models

Lens Orientation	Diffuse Mode		Long-Range Diffuse Mode		Polarized Retro-Reflective Mode		Retro-Reflective Mode		Thru-Beam Mode		Common Specifications	
	Straight	Right Angle	Straight	Right Angle	Straight	Right Angle	Straight	Right Angle	Straight	Right Angle	DC	ACDC
Sensing Range	50-200 mm	50-200 mm	50-450 mm	50-400 mm	0-4 m (50 mm minimum reflector distance)	0-3.5 m (50 mm minimum reflector distance)	0-6.5 m (50 mm minimum reflector distance)	0-5.5 m (50 mm minimum reflector distance)	0-20 m	0-12 m	Reference Target	Diffuse 100 x 100 mm white test card (Preferred) Retro-reflective 18 (RRI) reflector Thru-beam Reflector
2-meter cable, PVC covered, #24 AWG	GLX18-8-200/25/102/115 APV Light Source (L) or APV Light Source (R)	GLX18-8-200-5/25/102/115 GLX18-8-200-5/15/120	GLX18-8-450/25/102/115 GLX18-8-450/15/120	GLX18-8-400-5/25/102/115 GLX18-8-400-5/15/120	GLX18-55/25/102/115 GLX18-55/15/120	GLX18-55-5/25/102/115 GLX18-55-5/15/120	GLX18-6/25/102/115 GLX18-6/15/120	GLX18-6-5/25/102/115 GLX18-6-5/15/120	GLX18-2/25/102/115 GLX18-2/15/120	GLX18-2/25/102/115 GLX18-2/15/120	Sensitivity Adjustment	Diffuse modes only Load Current 100 mA max 200 mA max Voltage Drop ±1.5 VDC ±3.5 V ACDC
Quick Disconnect, Micro DC (M12)	GLX18-8-200/25/102/159 APV Light Source (L) or APV Light Source (R)	GLX18-8-200-5/25/102/159 GLX18-8-200-5/15/120	GLX18-8-450/25/102/159 GLX18-8-400/15/120	GLX18-8-400-5/25/102/159 GLX18-8-400-5/15/120	GLX18-55/25/102/159 GLX18-55/15/120	GLX18-55-5/25/102/159 GLX18-55-5/15/120	GLX18-6/25/102/159 GLX18-6/15/120	GLX18-6-5/25/102/159 GLX18-6-5/15/120	GLX18-2/25/102/159 GLX18-2/15/120	GLX18-2/25/102/159 GLX18-2/15/120	Short Circuit and Overload Protection	Yes Yes
Light Spot Diameter	~15 mm at 200 mm range		~30 mm at 400 mm range		~200 mm at 5.5 m range		~160 mm at 4.5 m range		~300 mm at 8 m range		Supply Voltage	10-30 VDC 20-250 V ACDC
Light Beam Angle	4°		4°		2°		2°		2°		Current Consumption	< 20 mA < 10 mA
	ACDC Supply Voltage										Response Time	900 ns Visible red LED 540 ms
2-meter cable, PVC covered, #22 AWG	GLX18-8-200/25/115/161 Retro-reflective (AC) or APV (DC) Light Source	GLX18-8-200-5/25/115/161 GLX18-8-200-5/15/161	GLX18-8-400/25/115/161 GLX18-8-400/15/161	GLX18-8-400-5/25/115/161 GLX18-8-400-5/15/161	GLX18-55/25/115/161 GLX18-55/15/161	GLX18-55-5/25/115/161 GLX18-55-5/15/161	GLX18-6/25/115/161 GLX18-6/15/161	GLX18-6-5/25/115/161 GLX18-6-5/15/161	GLX18-2/25/115/161 GLX18-2/15/161	GLX18-2/25/115/161 GLX18-2/15/161	Standards	EN 60947-5-2 EN 60947-5-2
Quick Disconnect, Micro DC (M12)	GLX18-8-200/25/161/166 Retro-reflective (AC) or APV (DC) Light Source	GLX18-8-200-5/25/161/166 GLX18-8-200-5/15/166	GLX18-8-400/25/161/166 GLX18-8-400/15/166	GLX18-8-400-5/25/161/166 GLX18-8-400-5/15/166	GLX18-55/25/161/166 GLX18-55/15/166	GLX18-55-5/25/161/166 GLX18-55-5/15/166	GLX18-6/25/161/166 GLX18-6/15/166	GLX18-6-5/25/161/166 GLX18-6-5/15/166	GLX18-2/25/161/166 GLX18-2/15/166	GLX18-2/25/161/166 GLX18-2/15/166	Protection (IEC)	IP67
Light Spot Diameter	~15 mm at 200 mm range		~15 mm at 400 mm range		~200 mm at 5.5 m range		~160 mm at 4.5 m range		~300 mm at 8 m range		Ambient Light Resistance	± 30,000 lux ± 30,000 lux
Light Beam Angle	4°		4°		2°		2°		2°		Temperature Range	-13 °F to +140 °F -4 °F to +140 °F
	ACDC Supply Voltage										Working Temperature Range	-40 °F to +158 °F -40 °F to +158 °F
	ACDC Supply Voltage										Storage	PC Polycarbonate PMMA
	ACDC Supply Voltage										Approvals	UL CE CE

**PRODUCT DIMENSIONS**

DC and AC/DC straight housing

DC right-angled housing

AC/DC right-angled housing

① DC cable connection  
② DC quick disconnect  
③ AC/DC quick disconnect  
④ ACDC cable connection

**DC ELECTRICAL CONNECTIONS**

Cable Connection

Quick Disconnect

AC/DC ELECTRICAL CONNECTIONS

Cable Connection

Quick Disconnect

Note: Wiring diagrams show quick disconnect pin numbers.

