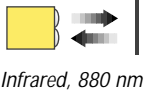
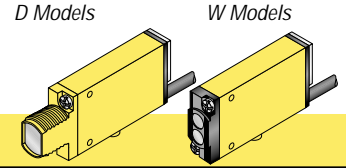


MINI-BEAM Universal Voltage Series

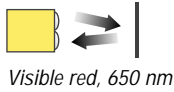


These economical single-unit sensors are excellent for sensing objects of adequate size and reflectivity at short range. Divergent models are useful for sensing small items and translucent or transparent materials at close range.

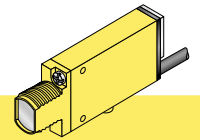


MINI-BEAM Universal Voltage Series Diffuse-Mode Sensors

Models	Range	Cable*	Supply Voltage	Output Type	Excess Gain	Beam Pattern
					Performance based on 90% reflectance white test card	
SMU315D	380 mm (15")	5-wire 2 m (6.5')	Universal 24 to 240V dc or 24 to 240V ac	SPDT Electro- mechanical Relay		
					Divergent Diffuse	
SMU315W	130 mm (5")	5-wire 2 m (6.5')	Universal 24 to 240V dc or 24 to 240V ac	SPDT Electro- mechanical Relay		



Convergent-mode sensors feature high excess gain and can detect objects with low reflectivity. They are a good choice for counting adjacent radiused objects and for accurate position sensing.



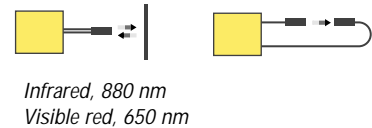
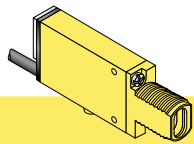
MINI-BEAM Universal Voltage Series Convergent-Mode Sensors

Models	Focus	Cable*	Supply Voltage	Output Type	Excess Gain	Beam Pattern
					Performance based on 90% reflectance white test card	
Visible Red 650 nm						
SMU315CV	16 mm (0.65") Spot Size at Focus: 1.3 mm (0.05")	5-wire 2 m (6.5')	Universal 24 to 240V dc or 24 to 240V ac	SPDT Electro- mechanical Relay		
					SMU315CV2	43 mm (1.7") Spot Size at Focus: 3.0 mm (0.12")

* 9 m (30') cables are available by adding suffix "W/30" to the model number of any cabled sensor (e.g., SMU315CV W/30)

MINI-BEAM Universal Voltage Series

An excellent option for sensing in tight or inaccessible areas. Fibers withstand vibration and shock; are immune to electrical noise. Glass fibers withstand high temperatures, extreme moisture and corrosive materials. Not recommended for applications requiring bending or repeated flexing of fibers (see plastic fiber models).



MINI-BEAM Universal Voltage Series Glass Fiber Optic Sensors

Models	Range	Cable*	Supply Voltage	Output Type	Excess Gain	Beam Pattern
					Diffuse mode performance based on 90% reflectance white test card	
Infrared 880 nm						
SMU315F	Range varies by sensing mode and fiber optics used	5-wire 2 m (6.5')	Universal 24 to 240V dc or 24 to 240V ac	SPDT Electro-mechanical Relay	OPPOSED MODE – INDIVIDUAL FIBERS	
DIFFUSE MODE – BIFURCATED FIBERS						
Visible Red 650 nm						
SMU315FV	Range varies by sensing mode and fiber optics used	5-wire 2 m (6.5')	Universal 24 to 240V dc or 24 to 240V ac	SPDT Electro-mechanical Relay	OPPOSED MODE – INDIVIDUAL FIBERS	
DIFFUSE MODE – BIFURCATED FIBERS						

* 9 m (30') cables are available by adding suffix "W/30" to the model number of any cabled sensor (e.g., SMU315FV W/30)