



VALU-BEAM 915 Series Sensors

With Electromechanical Relay Output

VALU-BEAM 915 Series Features

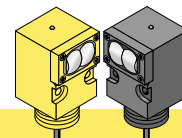


- Models available for:
 - 12 to 28V ac/dc
 - 90 to 130V ac
 - 210 to 250V ac
- SPDT electromechanical relay output is rated for up to 5 amps switching capacity
- Rear panel sensitivity adjustment; top-mounted alignment indicator
- Visible red beam on most models, simplifies alignment
- Choose models with integral 2 m (6.5') cable or Mini-style QD (quick-disconnect) connector; 9 m (30') cables are also available



Infrared, 880 nm

Opposed-mode sensors have higher excess gain than other models, and so should be used whenever possible. Visible red "tracer beam" simplifies sensor alignment.



915 Series Opposed-Mode Emitter (E) and Receiver (R)

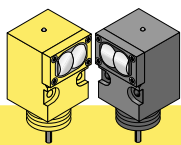
Models	Range	Cable*	Supply Voltage	Output Type	Excess Gain	Beam Pattern
SMA91E SMW95R SMA91EQD SMW95RQD	60 m (200')	2 m (6.5') 2 m (6.5') 3-Pin Mini QD 5-Pin Mini QD	Emitter: 10 to 250V ac/dc Receiver: 12 to 28V ac/dc	SPDT E/m Relay		Effective Beam: 13 mm
SMA91E SMA95R SMA91EQD SMA95RQD		2 m (6.5') 2 m (6.5') 3-Pin Mini QD 5-Pin Mini QD	Emitter: 10 to 250V ac/dc Receiver: 90 to 130V ac			
SMA91E SMB95R SMA91EQD SMB95RQD		2 m (6.5') 2 m (6.5') 3-Pin Mini QD 5-Pin Mini QD	Emitter: 10 to 250V ac/dc Receiver: 210 to 250V ac			

*NOTES:

- 9 m (30') cables are available by adding suffix "W/30" to the model number of any cabled sensor (e.g. SMA91E W/30).
- A model with a QD connector requires an accessory mating cable. See page 8 for more information.

VALU-BEAM – 915 Series

Opposed-mode sensors have higher excess gain than other models, and so should be used whenever possible. ESR and RSR models' small effective beam size enables them to reliably detect relatively small objects; their wide beam angle allows forgiving alignment within the 10' range.

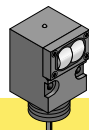


Infrared, 880 nm

915 Series Opposed-Mode Emitter (E) and Receiver (R)

Models	Range	Cable*	Supply Voltage	Output Type	Excess Gain	Beam Pattern
SMA91ESR SMW95RSR SMA91ESRQD SMW95RSRQD	3 m (10')	2 m (6.5') 2 m (6.5') 3-Pin Mini QD 5-Pin Mini QD	Emitter: 10 to 250V ac/dc Receiver: 12 to 28V dc	SPDT E/m Relay		
SMA91ESR SMA95RSR SMA91ESRQD SMA95RSRQD		2 m (6.5') 2 m (6.5') 3-Pin Mini QD 5-Pin Mini QD	Emitter: 10 to 250V ac/dc Receiver: 90 to 130V ac			
SMA91ESR SMB95RSR SMA91ESRQD SMB95RSRQD		2 m (6.5') 2 m (6.5') 3-Pin Mini QD 5-Pin Mini QD	Emitter: 10 to 250V ac/dc Receiver: 210 to 250V ac			

Non-Polarized,
Polarized



An excellent alternative when opposed-mode sensing is not possible. A visible red beam reduces the potential for false signals from reflective objects ("proxing") and simplifies alignment. AG (anti-glare) models polarize the emitted light and filter out unwanted reflections.



Visible red, 650 nm
Non-Polarized Polarized

915 Series Retroreflective Mode

Models	Range**	Cable*	Supply Voltage	Output Type	Excess Gain	Beam Pattern
Non-Polarized						
SMW915LV SMW915LVQD	0.15 to 9 m (6" to 30')	2 m (6.5') 5-Pin Mini QD	12 to 28V ac/dc	SPDT E/m Relay		
SMA915LV SMA915LVQD		2 m (6.5') 5-Pin Mini QD	90 to 130V ac			
SMB915LV SMB915LVQD		2 m (6.5') 5-Pin Mini QD	210 to 250V ac			
Polarized						
SMW915LVAG SMW915LVAGQD	0.3 to 4.5 m (1' to 15')	2 m (6.5') 5-Pin Mini QD	12 to 28V ac/dc	SPDT E/m Relay		
SMA915LVAG SMA915LVAGQD		2 m (6.5') 5-Pin Mini QD	90 to 130V ac			
SMB915LVAG SMB915LVAGQD		2 m (6.5') 5-Pin Mini QD	210 to 250V ac			

** Retroreflective range is specified using one model BRT-3 retroreflector (3" diameter). Actual sensing range may be more or less than specified, depending upon the efficiency and reflective area of the retroreflector(s) in use. See your Banner Photoelectric catalog for more information.