

Series 7000 Discontinuation Notice

(Retroreflective, polarized retroreflective, standard diffuse, and transmitted beam only)

IMPORTANT: SAVE THESE INSTRUCTIONS FOR FUTURE USE.

Description

This Series 7000 sensor is scheduled to be discontinued in the near future and will be transitioned to the R7KJS replacement kit. The following models will be discontinued:

- Retroreflective
- Standard diffuse
- Polarized retroreflective
- Transmitted beam

The following models will continue to be offered:

- Clear object
- Wide angle diffuse
- Fixed focus
- Fiber optic

The R7KJS replacement kit includes a 42JS VisiSight™ sensor, two stainless steel replacement brackets (for left or right mounting surfaces), and mounting hardware. The small footprint stainless steel bracket included in the kit allows the user to securely mount the 42JS VisiSight using existing Series 7000 mounting holes.

The 42JS VisiSight family of sensors offers several enhancements over the Series 7000:

- Visible light source for ease of alignment
- Patented ASIC design offers linear sensitivity adjustment, stability indication and excellent noise immunity
- Two LED indicators (power/stability, output status) located in the *top* of the unit (Series 7000 has a single output indicator on the *back* of the sensor)
- Additional transmitted beam models with infrared light source for superior crosstalk immunity
- Input to disable light source on transmitted beam emitter allows testing of transmitted beam pair

All these enhanced features in a cost-effective replacement kit.

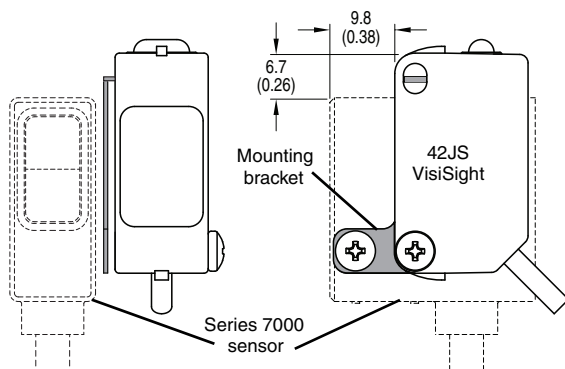
To install the 42JS VisiSight on the 60-2619 swivel/tilt bracket designed for the Series 7000 use the 60-BJS-L2 bracket (sold separately).

To request a free evaluation kit sample or more information contact your local Allen-Bradley distributor or visit <https://www.surveymonkey.com/s/Series7000>

Mounting considerations

The R7KJS replacement kit requires additional clearance above; allow at least 8 mm (0.31 in.) above the top of the Series 7000 photoelectric sensor. Note that the face of the 42JS VisiSight sensor is offset by 10 mm (0.39 in.).

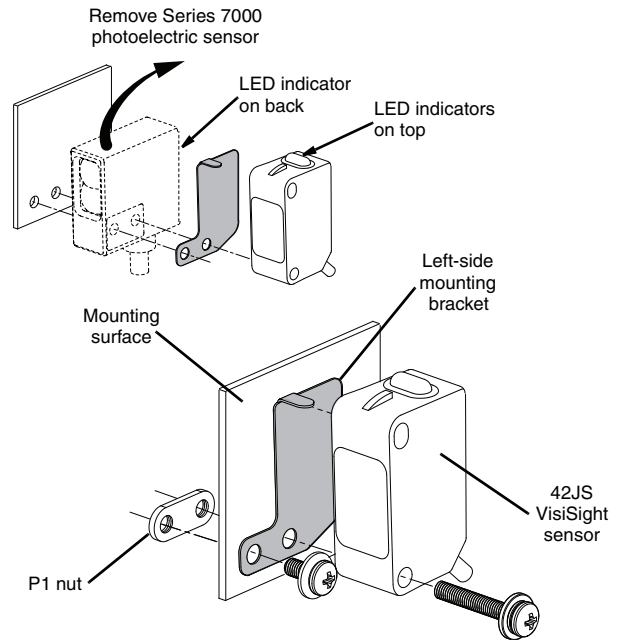
Position of 42JS VisiSight sensor mounted with bracket provided, relative to Series 7000 sensor mounted in same mounting holes.



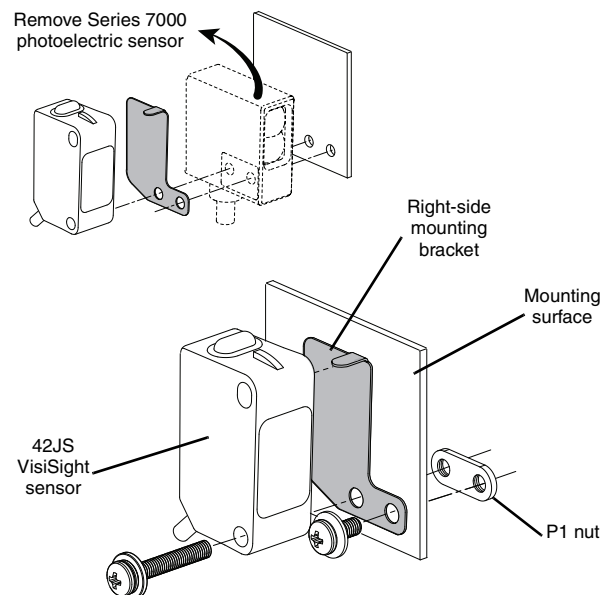
IMPORTANT

When installing transmitted beam sensors, replace both the transmitter and receiver with those supplied in the kit.

Left-side mounting



Right-side mounting



Series 7000 retroreflective, polarized retroreflective, diffuse, and transmitted beam cross reference to R7KJS replacement kits

Description	Series 7000 Part Numbers being replaced	Series 7000 to R7KJS VisiSight Replacement Kit Recommended Replacements
Series 7000 retroreflective, NPN output, 3 m (9.8 ft) cable	42SMU-7000	R7KJS-P2MNA2-A2
Series 7000 retroreflective, NPN output, 4 pin DC Micro (M12) QD	42SMU-7000-QD	R7KJS-P2MNA2-F4
Series 7000 retroreflective, PNP output, 3 m (9.8 ft) cable	42SMU-7001	R7KJS-P2MPA2-A2
Series 7000 retroreflective, PNP output, 4 pin DC Micro (M12) QD	42SMU-7001-QD	R7KJS-P2MPA2-F4
Series 7000 polarized retroreflective, NPN output, 3 m (9.8 ft) cable	42SMU-7200	R7KJS-P2MNA2-A2
Series 7000 polarized retroreflective, NPN output, 4 pin DC Micro (M12) QD	42SMU-7200-QD	R7KJS-P2MNA2-F4
Series 7000 polarized retroreflective, PNP output, 3 m (9.8 ft) cable	42SMU-7201	R7KJS-P2MPA2-A2
Series 7000 polarized retroreflective, PNP output, 4 pin DC Micro (M12) QD	42SMU-7201-QD	R7KJS-P2MPA2-F4
Series 7000 diffuse, NPN output, 3 m (9.8 ft) cable	42SMP-7000	R7KJS-D2MNA2-A2
Series 7000 diffuse, NPN output, 4 pin DC Micro (M12) QD	42SMP-7000-QD	R7KJS-D2MNA2-F4
Series 7000 diffuse, PNP output, 3 m (9.8 ft) cable	42SMP-7001	R7KJS-D2MPA2-A2
Series 7000 diffuse, PNP output, 4 pin DC Micro (M12) QD	42SMP-7001-QD	R7KJS-D2MPA2-F4
Series 7000 diffuse, NPN output, 3 m (9.8 ft) cable	42SMP-7600	R7KJS-D2MNA2-A2
Series 7000 diffuse, NPN output, 4 pin DC Micro (M12) QD	42SMP-7600-QD	R7KJS-D2MNA2-F4
Series 7000 diffuse, PNP output, 3 m (9.8 ft) cable	42SMP-7601	R7KJS-D2MPA2-A2
Series 7000 diffuse, PNP output, 4 pin DC Micro (M12) QD	42SMP-7601-QD	R7KJS-D2MPA2-F4
Series 7000 infrared TB receiver, NPN output, 3 m (9.8 ft) cable	42SMR-7100	R7KJS-T9MNA2-A2*
Series 7000 infrared TB receiver, NPN output, 4 pin DC Micro (M12) QD	42SMR-7100-QD	R7KJS-T9MNA2-F4*
Series 7000 infrared TB receiver, PNP output, 3 m (9.8 ft) cable	42SMR-7101	R7KJS-T9MPA2-A2*
Series 7000 infrared TB receiver, PNP output, 4 pin DC Micro (M12) QD	42SMR-7101-QD	R7KJS-T9MPA2-F4*
Series 7000 infrared TB receiver, NPN output, 3 m (9.8 ft) cable	42SMR-7600-3	R7KJS-T9MNA2-A2*
Series 7000 visible red TB receiver, NPN output, 3 m (9.8 ft) cable	42SMR-7110	R7KJS-T9MNA1-A2*
Series 7000 visible red TB receiver, NPN output, 4 pin DC Micro (M12) QD	42SMR-7110-QD	R7KJS-T9MNA1-F4*
Series 7000 visible red TB receiver, PNP output, 3 m (9.8 ft) cable	42SMR-7111	R7KJS-T9MPA1-A2*
Series 7000 visible red TB receiver, PNP output, 4 pin DC Micro (M12) QD	42SMR-7111-QD	R7KJS-T9MPA1-F4*

*Includes transmitted beam emitter and receiver. Both sensors must be replaced when replacing Series 7000 transmitted beam sensors
Note: The 42JS VisiSight cable models (-A2) have a 2-m (6.6-ft) length cable instead of a 3 m (9.8-ft) cable as used on the Series 7000.

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