

Background suppression photo sensors

Unlike the conventional diffuse-reflective type photo sensors that operate based on received light intensity, background suppression photo sensors employ a ranging method based on the principle of triangular distance measurement.

For this reason, detection is less affected by the soiling of the lens surface, color of the detection object, objects in the background, etc. and therefore, higher stability is ensured.

List of models

Type	Appearance (Typical example)	Model	Detecting distance					See page	
			50mm	100mm	500mm	1m	2m		
Self-teaching		DA-S40R(-J)	70~400mm					330	
		DA-S70(-J)	70~700mm						
		DA-S100RP	0.2~1m					334	
		DA-S100RTC							
		DA-S200P	0.2~2m						
		DA-S200TC							
Phase difference detection		DX-7AH	0.5~7.5m						342
Short-range		DL-S3R	10~30mm						348
		DL-S3							
		DL-S4R	10~40mm						
		DL-S4							
		DL-S5R	10~50mm						
		DL-S5							
Medium-range		DL-S10R	10~100mm					354	
		DL-S10							
		DL-S15	10~150mm						
		DL-S20							
Long-range, slim		DL-S100R(-J)	0.2~1m					354	
		DL-S202(-J)	0.2~2m						
Long-range, low-cost		DL-S100P(TC)	0.2~1m					360	
		DL-S200P(TC)	0.2~2m						
Analog output		DLA-S150	50~150mm					362	
		DLA-S300	150~300mm						
		DLA-S1000	0.2~1m						
		Reflector type DSM-500	0.5~6m						