



PLD series

- 2M long distance detection by applying double layer structure lens
- Stable light ON indicator (green)
- Built in sensitivity adjustment function

Suffix code

Code	Code			Information
PLD-	R	2	☐	Small size long distance diffuse reflection photo sensor
Detection method	R			Diffuse Reflection
Detection distance		2		2m
Output Specification			N	NPN open collector output
			P	PNP open collector output
Protectable structure				IP 64 (IEC)

· Specification

Model	PLD series	
Model name	PLD-R2N	PLD-R2P
Detectable distance	2m	
Hysteresis	Within 20% of detectable distance	
Response time	Approx. 1 ms	
Proper voltage	12 - 24 V dc (± 10 %)	
Current consumption	Max. 30 mA DC	
Control output	NPN open collector output Load current : (resistance load) Remaining voltage : Max. 1V DC	PNP open collector output Load current : (resistance load) Remaining voltage : power voltage Min. 1V DC
Light source	Infrared light emitting diode (850 nm)	
Sensitivity adjustment	Built in sensitivity adjustment V/R (220 degree spin V/R)	
Operation mode	Light ON mode	
Operation display LED	Operation display LED : RED, Stable display LED : GREEN	
Protectable circuit	Protection circuit for reverse polarity connection, Protection circuit for short of output (Over current)	
Material	Case : PET, Lens Cap : PC, Lens : PMMA	
Protectable structure	IP64 (IEC standard)	
Connection type	Cable extended type	
Connection method	Number of cable line : 3p, Thickness : Ø3 mm, length : 2m	
Ambient intensity of illumination	Light of the sun : less than 11000, Incandescent lamp : less than 3000	
Ambient temperature	When operating : -20 ~ 55 ° C, when maintaining : -25 ~ 70 ° C (Freezing not allowed)	
Ambient humidity	Max.. 35 ~ 85 % RH	
Insulating resistance	Min. 20MΩ (using 500 V d.c. insulating resistor, between code/CASE and between control switch/CASE)	
Max vibration	10 - 55 Hz (cycle for 1min), double amplitude : 1.5 mm X, Y, Z each directions for 2 hours	
Voltage	1000 V ac (50 / 60 Hz for 1 min)	
Shock	100 m / s ² (approximately 10 G), X, Y, Z each directions for 3 times	
Weight	Approximately 60 g	
Accessories	Sensitivity controlling driver, bolt, nut	