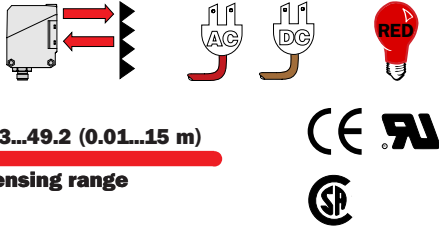


WL 260

Reflex/Retro-Reflective Sensors



0.3...49.2 (0.01...15 m)
sensing range

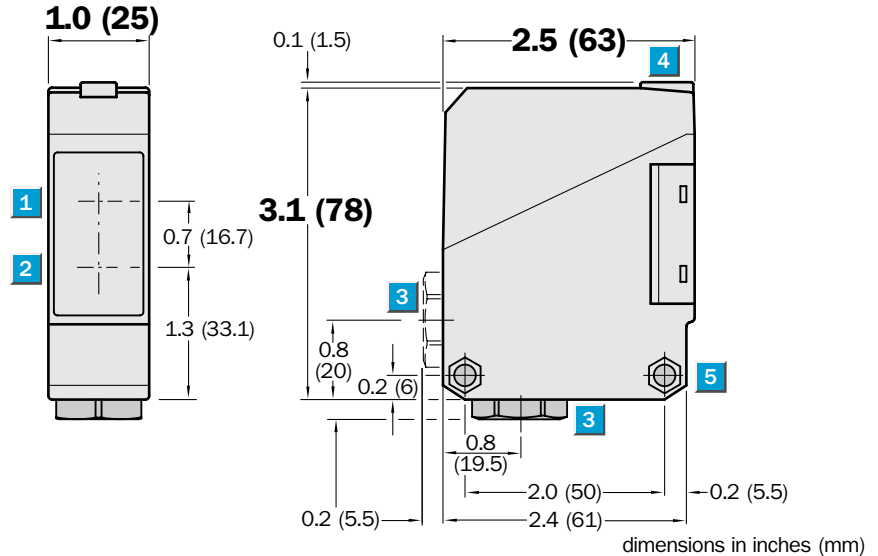
WL 260



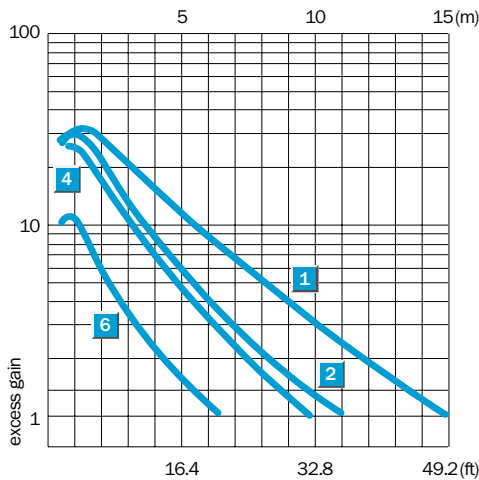
Highlights

- Rugged plastic housing
- Polarizing filters prevent false readings on reflective surfaces
- Terminal chamber for connection flexibility
- Sensitivity adjustment
- Wide range supply voltage
- Adjustable time delays
- Reflector included

Dimensional Drawing

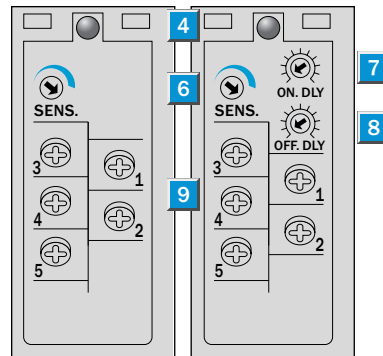


Excess Gain



Adjustments

WL 260-S270 WL 260-R270



- Center of optical axis, receiver
- Center of optical axis, sender
- 1/2" terminal chamber PF thread for cable diameters from 6 to 10 mm optionally at bottom or rear
- LED signal strength indicator, red
- Through hole Ø 5.2 mm on both sides for M5 hex nut
- Sensitivity adjustment
- Time control ON-delay t_{ON}
- Time control OFF-delay t_{OFF}
- Terminals

Reflector Type	Sensing Range
1 PL 80 A	0.01...15.0 m
2 P 250	0.01...11.0 m
3 PL 50 A, PL 40 A	0.01...12.5 m
4 PL 30 A, PL 31 A	0.01...9.7 m
5 PL 20 A	0.01...7.8 m
6 Reflective tape diamond grade	0.01...6.5 m

Order Information	
Type	Part no.
WL 260-S270	6 020 767
WL 260-R270	6 020 768

Accessories	page
Mounting brackets*	924, 935
Reflector P 250*	936

* included with delivery

Technical Data		WL 260-	S270	R270								
Sensing range	0.3...36.1 ft (0.01...11 m)/P 250 (included)											
	0.3...49.2 ft (0.01...15 m)/PL 80 A											
Sensitivity	Adjustable, potentiometer 270°											
Light source ¹⁾ , light type		LED, visible red light, polarized										
Light spot diameter	Approx. 11.8 in at 32.8 ft (300 mm at 10 m)											
Angle of divergence	Approx. 1.7°											
Supply voltage V _s ²⁾	12...240 V DC											
	24...240 V AC											
Power consumption	≤ 5 VA											
Switching output		Relay, SPDT, electrically isolated										
Switching current I _A max. ³⁾	3 A/240 V AC; 3 A/30 V DC											
Operation mode	Light switching											
Response time	≤ 20 ms											
Max. switching frequency ⁴⁾	25 Hz											
Time delays												
ON delay t _{ON}	0.1...10 s, can be connected separately											
OFF delay t _{OFF}	0.1...10 s, can be connected separately											
Connection type		Terminal chamber										
CE noise radiation	Level EN 50081-1											
	("Residential standard")											
VDE protection class ⁵⁾	☐											
Circuit protection ⁶⁾	A, C											
Enclosure rating	IP 67											
Ambient temperature T _A	Operation -13...131°F (-25...55°C)											
	Storage -40...158°F (-40...70°C)											
Approximate weight	4.2 oz (120 g)											
Housing material	Glass fiber reinforced ABS											

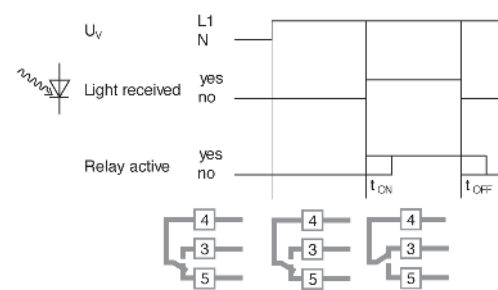
1) Average service life 100,000 h
at T_A = 25°C
2) ± 10%

3) Provide suitable spark suppression for
inductive or capacitive loads
4) With light/dark ratio 1:1

5) Reference voltage 250 V UC
6) A = V_s connections reverse-polarity
protected
C = Interference suppression

Time Delays

t = 0.1–10 s



Connection Diagram

