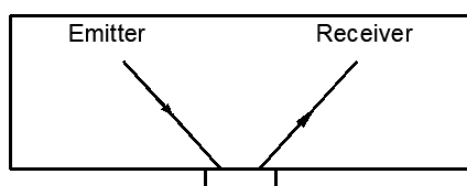


This sensor supports needless douser and detects liquid leakage with high precision and quickness.

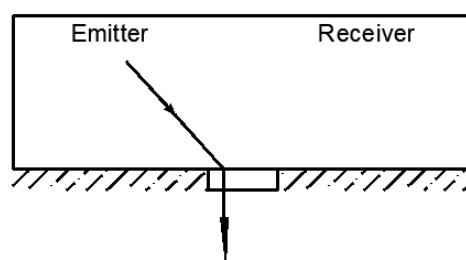
E530064 UL Certificated (ANSI/UL508\ CAN/CSA C22.2 No.14-18), Could operate from 12V_{DC} to 30V_{DC} (Class2) supply voltage range and -10°C to 60°C temperature range(For PFA it is up to 45°C).

Typical applications in semiconductor production line, industrial equipment, pneumatic, medical devices and so on.

Principle



when there is no liquid



when there is liquid

Features:



For Pure water, Industrial water and PFA casing available for detecting leakage of corrosive liquid.

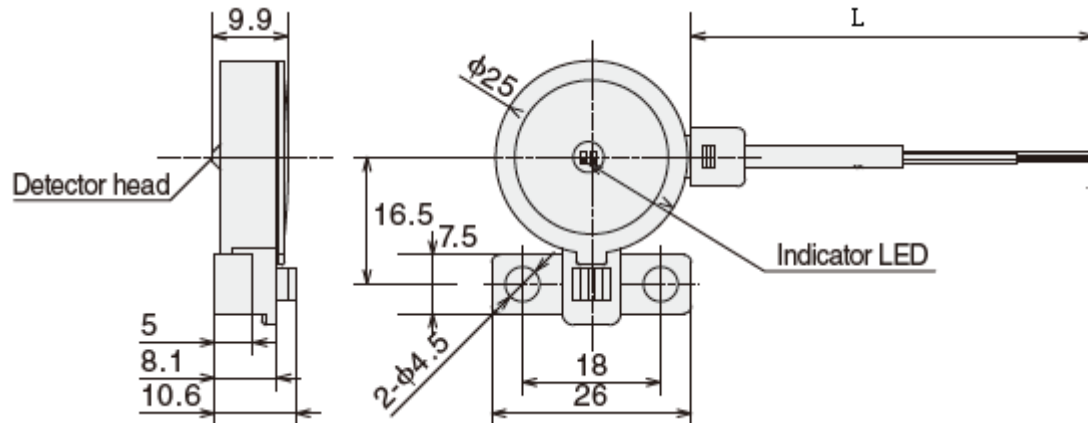
Low effects at detection point by using Optical detect method directly.

Quick installation and easy maintenance.

Part Number Designation

LL10	-	P	-	P	-	XX
Series Name		Output Type		Body Material		Cable Length
						Unit : meter
						Blank: 2m
						05: 5m
		P: PNP N: NPN		P: PP F: PFA		

Physical Dimensions



Specifications:

Output Type	NPN	PNP
Detection method	Retroreflective	
Standard target object	water	
Light Source	Infrared LED	
Operating Temp. °C	-10 to 60 (for PFA, it is up to 45)	
Housing material	PP for water and PFA for corrosive fluids compatable with PFA	
Supply Voltage	12~30 Vdc (ripple voltage 10% max.)	
Consumption current	10 mA or Less	
Output withstand voltage	30 Vdc	
Switching current	50 mA	
Residual Voltage	1.0 V max.	2.0 V max.

Internal Circuit Schematics

