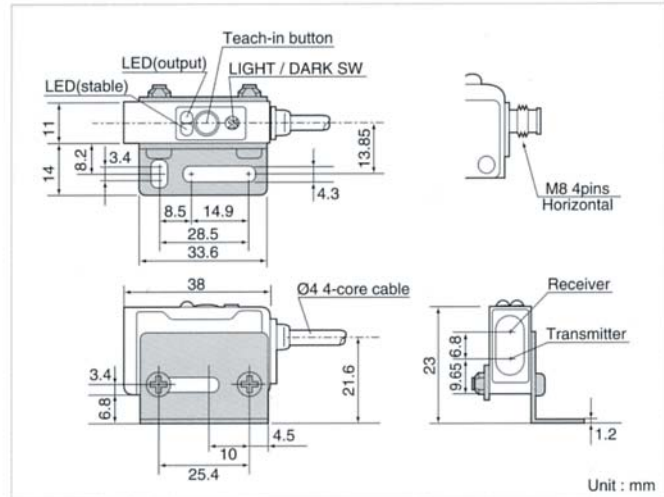


# JR-Q series

Automatic Gain Control sensor, designed for for TFT & Transparent bottle applications.



## Dimensions



Steam, dust and water can affect the operation of the sensor. The JR-Q series solves this problem with it's AGC (automatic gain control) circuit, if the intensity level of the received light begins to drop, the threshold level will automatically be lowered in accordance with the drop in intensity level.

## Specifications

Type			JR-Q Automatic Gain Control	
			Top Sensing	Side Sensing
Model Number	Cable Type	NPN	<b>JR-HQ50NW</b>	<b>JR-SQ50NW</b>
		PNP	<b>JR-HQ50PW</b>	<b>JR-SQ50PW</b>
	M8 QD Type	NPN	<b>JR-SQ50CNW</b>	<b>JR-SQ50CNW</b>
		PNP	<b>JR-SQ50CPW</b>	<b>JR-SQ50CPW</b>
Sensing Range			500 mm (with V-61 reflector)	
Supply Voltage			10 ~ 30 VDC incl. 10% ripple	
Current Consumption			40 mA max.	
Response Time			Standard 2 msec., Fast 0.5 msec. - selectable	
Control Output			NPN or PNP Open Collector Transistor, 100 mA / 30 VDC Max.	
Operation Mode			Selectable Light-On or Dark-On operation	
Light Source			Red LED	
IP Protection			IP67g (JEM), IP67 (IEC)	
Sensitivity Adjustment			Teach-in	
Shock Resistance			100 G (1,000m/s)	
Material			PBT (case), PMMA (lens)	
Accessories			Mounting bracket, Reflector #V-61	

Note: Cables are not included with the QD sensor, please order separately.