OT5959xx

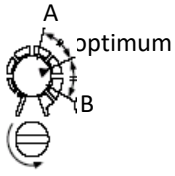
light sensor

light-on / dark-on mode

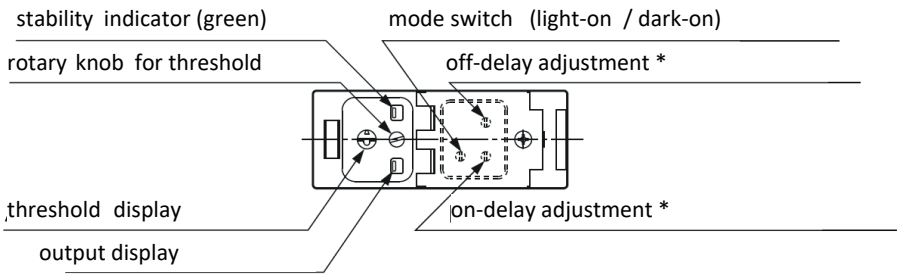
→ light-on mode (right limit stop)

← dark-on mode (left limit stop)

Setting of the background suppression (BGS)

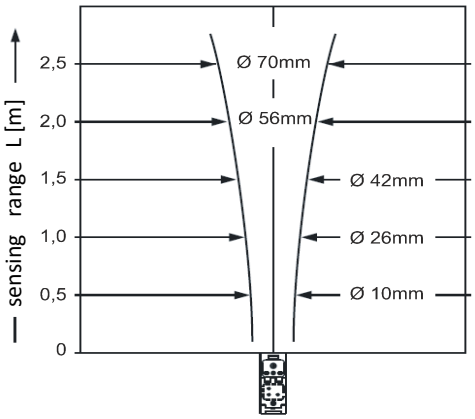
Step	Description	Potentiometer setting
1	Turn the potentiometer anticlockwise until the minimum stop is reached.	
2	Position the object to be detected in the light path. Now turn the potentiometer clockwise until the sensor reached its threshold at position A.	
3	Now remove the object and turn the potentiometer clockwise until the sensor reaches its threshold merely on the background. (If the sensor does not switch in maximum position, this is up to position B)	
4	The optimum position, to detect objects reliable, lies in the middle between position A and B.	

operator‘s control:

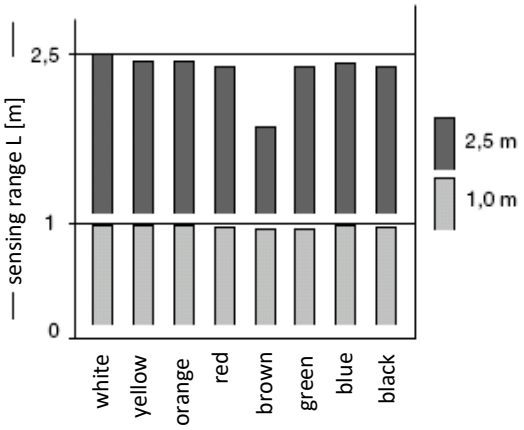


* only for devices with time stage (see list of articles), time range 0.1 … 5sec

beam diameter

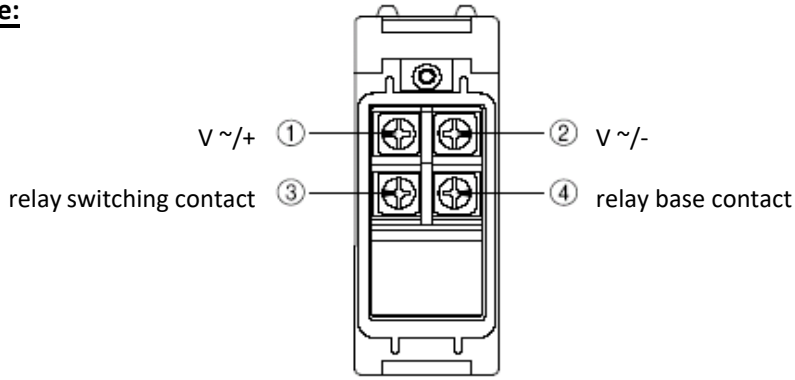


dependancy sensing range-color



The graphs are showing the sensing range for the stated colors, if the sensor is taught with white office paper and a distance of 2.5m or 1.0m.

view of the cable tree:



list of articles

artikel-nr.	sn, measuring mode	note	voltage	output current connection			fig.
OT595900	0.1…1m, HGA	25Hz	24 / 12…240V AC/DC	relay, no/nc	3A	terminals	1
OT595905	0.1…2.5m, HGA	25Hz	24 / 12…240V AC/DC	relay, no/nc	3A	terminals	1
OT595980	0.1…1m, HGA	time stage, 25Hz	24 / 12…240V AC/DC	relay, no/nc	3A	terminals	1
OT595985	0.1…2.5m, HGA	time stage, 25Hz	24 / 12…240V AC/DC	relay, no/nc	3A	terminals	1

Warning: Never use these devices in applications where the safety of a person depends on their functionality!