## Retro-reflective photoelectric sensor for bottles

## PRK23T Autokollimation



## Sensor adjustment (teach) via teach button

The sensor is factory-adjusted for maximum operating range. After the sensor has been commissioned, it is essential to perform a teach procedure on the reflector with clear light path.

(1) High sensitive teach (maximum sen- sitivity) for the detection of a highly transparent object (e.g. filled single bot- tle, glass pane or film)		(2) Sensitive teach (increased sensitiv- ity) for the detection of a transparent object (e.g. empty single bottle)			
Clear the light path before teaching!					
1	Hold down the teach button (2 to 7 s) until the yellow and green LEDs flash simultaneously.	1	Hold down the teach button (7 to 12 s) until the yellow and green LEDs flash alternately.		
2	Release teach button – ready.	2	Release teach button – ready.		
The sensor switches reliably when a highly transparent object (e.g. filled sin- gle bottle, glass pane or film) is trans- ported through the light beam.		The sensor switches reliably when a transparent object (e.g. empty single bottle) is transported through the light beam.			
Device settings are stored fail-safe.					

## NOTICE

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With the "high sensitive teach" setting, the sensor can always detect empty or filled highly transparent bottles reliably. The sensor then reacts sensitively to contamination or moisture condensation.

If necessary, check whether the "sensitive teach" setting would provide adequate sensitivity. The advantage of this setting is the slightly lower sensitivity to contamination and moisture condensation.

(3) Teach at max. operating range (fac- tory setting)		(4) Set switching behavior (light/dark switching)		
Obstruct the light path before teaching!		When the function is activated, the switching output is always inverted relative to the previously set state.		
1	Hold down the teach button (2 to 7 s) until the yellow and green LEDs flash simultaneously.	1	<ul> <li>Hold down the teach button longer than 12 s until only the green LED flashes.</li> <li>LED ON: switching output now light switching (output active if light path is free)</li> <li>LED OFF: switching output now dark switching (output active if object in light path)</li> </ul>	
2	Release teach button – ready.	2	Release teach button – ready.	
The sensor now operates with the maxi- mum function reserve/operating range.		<b>Note</b> : The yellow LED is not dependent on the switching behavior setting and always indicates light switching in nor- mal operation.		
Device settings are stored fail-safe.				