Operating Instruction Appendix
YM22PCTS777-P24, YM22PCTS815-P24

Variant function compared to standard sensor:

Teach-In switching distance:
After Teach-In, the switching point is automatically set to a point which is **just short** of the current distance to the object. This difference between the position of the object and the selected switching point is called the “Teach-In switching distance”.
One of three different levels can be selected for the Teach-In switching distance with the S777 special sensor:

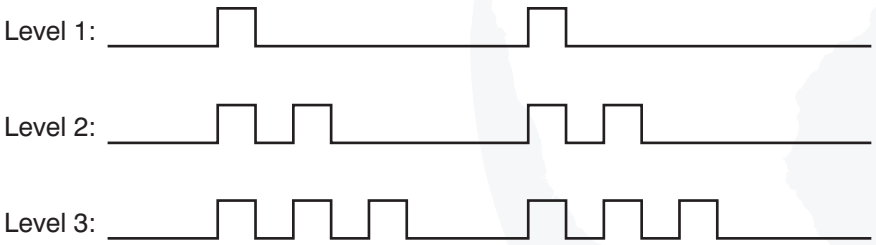
Level 1	As is also the case with the standard device, the switching point is set to a point which is just short of the distance to the object (background).
Level 2*	The switching point is approximately 10 mm** in front of the background.
Level 3	The switching point is approximately 20 mm** in front of the background.

* Default setting

** With a distance to the object of approx. 100 mm

Teaching the sensor:
➔ Align the light spot to the background.
➔ Press and hold the key on the control panel (or connect the external Teach-In input to +Ub) until the LED starts blinking (> 2 sec. < 4 sec.).
➔ Release the key.
• The distance is taught in to the sensor.

Selecting a level:
➔ Press and hold the key on the control panel (or connect the external Teach-In input to +Ub) until fast uniform blinking changes over to rhythmic blinking after > 6 sec. < 8 sec., and then release the key.
• The LED display indicates the currently selected level:



➔ Briefly pressing the key (or connecting the external Teach-In input to +Ub) causes switching to the next level:
... ⇨ Level 1 ⇨ Level 2 ⇨ Level 3 ⇨ Level 1 ⇨ Level 2 ⇨ ...
• If the key (or the external Teach-In input) is **not** activated for a period of > 5 sec. after the level has been selected, the sensor is automatically switched back to normal operation.
After the level has been changed, Teach-In has to be repeated in order to update the change to the switching distance!

Resetting the sensor to level 2 (default setting):
➔ Press and hold the key on the control panel (or connect the external Teach-In input to +Ub).
The sensor is reset to level 2 (default setting) after > 25 sec.
After the level has been changed, Teach-In has to be repeated in order to update the change to the switching distance!

Switching output polarity:
The output is activated (+Ub connected to output, LED indicator lights up), when an object is located at a distance of less than the taught in switching distance within the light beam.
The output is deactivated (output open, LED indicator does not light up), when no object is located within the light beam, or if an object within the light beam is beyond the taught in switching distance.

Specifications are subject to change without notice
Status: 14.06.2017
SAP: 80314