

- 3 mm gap $X 60 \mathrm{~mm}$ deep for flexible installation

FF Series

- Teach-in standard or sensitive calibration automatically sets sensitivity values
- Remote Teach-in allows fast target changeover by the host
- Applications include: Translucent material - Double detection - Edge detection

Note: for a proper use see norms at pages 12, 13, 14, 15 and 16.

Wiring diagrams


Note: If the white wire is not used for external teach-in, connect it to ground.

## Wiring diagrams with M8 connector (K)



CONTACTS CONFIGURATION

| Output | Contacts numbers |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | $\mathbf{1}$ | 2 | $\mathbf{3}$ | $\mathbf{4}$ |
| NPN/PNP NO | - | White | $\mathbf{+}$ | Out |
| NPN/PNP NC | + | White | - | Out |

Note: Use only the female connector type K2FDV. If the contact n. 3 (white wire) is not used for external teach-in, connect it to ground.


## Adjustment

STATUS LED

STANDARD TEACH-IN (TO DETECT STANDARD TAGS)

WARNING: The photoelectric sensor teach-in must be executed by placing the photoelectric sensor on the tag traslucid support (not directly on the tag which has to be detected)

| 1) Set the optical bracket on the tag support. | RED LED BLINKING THROUGH 2 SECONDS |
| :--- | :--- |
| 2) Push once the button: the red led light will be blinking through 2 seconds. |  |
| 3) Push again the adjustment button and keep it pushed till the definitive <br> switching of the red led (memorization achieved). | RED LED ON <br> Warning: if during the adjustment the red led and the green led are blinking <br> at the same moment, it means that a short-circuit occurs at the output or that <br> the tag support is too opaque.RED AND GREEN LEDS BLINKING |


| 1) Set the optical bracket on the tag support. | GREEN LED BLINKING THROUGH 2 SECONDS |
| :--- | :---: |
| 2) Push twice the button: the green led light will be blinking through 2 seconds. |  |
| 3) Push again the adjustment button and keep it pushed till the definitive <br> switching of the red led (memorization achieved). | RED LED ON |
| Warning: if during the adjustment the red led and the green led are blinking <br> at the same moment, it means that a short-circuit occurs at the output or that <br> the tag support is too opaque. | RED AND GREEN LEDS BLINKING |

The same teach-in mode achieved by pushing the button can be also obtained by connecting the white wire to the positive (external teach-in), following the same steps envisaged for teach-in through the button. For a correct installation see norms at pages 7, 8, 9 and 10

