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Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation, and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!


## Contact us

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## Product Description

Retro-reflective photoelectric switch. Range up to 10 m . Fixed sensitivity. Immune to ambient light. Output function switch selectable. Protection degree IP 67. Screw terminal connection. $25 \times 65 \times 81 \mathrm{~mm}$
plastic housing. PG 13.5 or 1/2" NPT cable gland. Timer options: Delay on operate, delay on release, one shot (triggered on leading or trailing edge).

- Range: 10 m
- Modulated, infrared light
- Make or break switching function (switch selectable)
- LED-indication for target detected
- Multi supply voltage:

12 to 240 VDC and
24 to 240 VAC, $50 / 60 \mathrm{~Hz}$

- $25 \times 65 \times 81 \mathrm{~mm}$ reinforced PC housing, IP 67
- Timer options (adjustable)
- NO and NC output




## Ordering Key

PMR10R GT
Type
PG 13.5 cable gland
Option: Timer function

## Type Selection

$\left.\begin{array}{llll}\hline \begin{array}{l}\text { Housing } \\ \text { W } \times \mathbf{H x D}\end{array} & \begin{array}{l}\text { Range } \\ \mathbf{S}_{\mathrm{n}}\end{array} & \begin{array}{l}\text { Ordering no. } \\ \text { without timer }\end{array} & \end{array} \begin{array}{l}\text { Ordering no. } \\ \text { with timer }\end{array}\right]$

## Specifications



## Specifications (cont.)

| Vibration | 10 to $150 \mathrm{~Hz}, 0.5 \mathrm{~mm} / 7.5 \mathrm{~g}$ (IEC 60068-2-6) |
| :---: | :---: |
| Shock | $2 \times 1 \mathrm{~m} \& 100 \times 0.5 \mathrm{~m}$ (IEC 60068-2-32) |
| Rated insulation voltage | 250 VAC (rms) |
| Housing material |  |
| Body | PC, grey |
| Front | PC, black |
| Cover | PC, black |
| Cable gland | PA, black, reinforced |
| Mounting bracket | Steel, black |
| Connection |  |
| Screw terminal | $5 \times 2 \times 1 \mathrm{~mm}^{2}$ |
| Cable gland | PG 13.5 or $1 / 2^{\prime \prime}$ NPT for cable 6 to 10 mm |
| Weight | 110 g |
| Approvals | UL, CSA |
| CE-marking | Yes |

## Connection Diagram



## Selection of Function

PMR 10R . | A Break switching |
| :--- |

## Truth Table

|  | Make switching |  | Break switching |  |
| :--- | :---: | :---: | :---: | :---: |
| Object present | Yes | No | Yes | No |
| LED | OFF | ON | OFF | ON |
| Load | Non- <br> active | Active | Active | Non- <br> active |

## Installation Hints



## Operation Diagram

t = Time delay
tv = Power ON delay


## Dimensions

PMR


PMR with angle bracket


## Accessories

- Reflectors: ER series
- MB02 (longer mounting bracket)

For further information refer to "Accessories"

## Delivery Contents

- Photoelectric switch: PMR
- Cable gland
- Installation instruction
- Mounting bracket
- Packaging: Corrugated cardboard (environmentally friendly recycling material)

