

# Catalogue No: **PMD8RIT**

## PHOTO DIFFUSE TIMER PLASTIC 0.8M AC/DC RLY NO/NC 1/2in NPT

Field Switching and Sensing > Non Contact Sensors > Photoelectric Sensors > Carlo Gavazzi Photoelectric sensors > Diffuse > Series PM - Diffuse



PM Series Photoelectric Switch, modulated infrared light, diffuse-reflective, plastic housing 25\*65\*81mm, 12 to 240 V DC and 24 to 240 V AC power supply, NC and NO output, adjustable timer, IP67 rating, 1/2" NPT cable gland

- Specialised versions available with long sensing range of 2m
- The sensors feature two outputs normally open (NO) and normally closed (NC) in a single sensor
- Short-circuit, reverse polarity and overload protected
- Specialised versions available with a built-in timer
- The sensors are available with 2m cable, quick disconnect 4-pin M12 connector or a terminal connection

Representative Photo Only  
(actual product may vary based on configuration selections)

### SPECIFICATIONS

Product Series	PM
Component Type Field Switching & Sensing	Photoelectric Sensor
Sensing Mode	Diffuse
Light source type	LED
Illumination Mode	Continuous
Colour, light source	Infrared (880nm)
Beam Angle / Field of View	24 ° (degrees)
Material, Lens	PC (Polycarbonate)
Material, Body / Housing	PC (Polycarbonate) material
Shape	Rectangular
Height	65 mm
Width	25 mm
Depth	81 mm
Orientation	Straight Through
Mounting (Multiple)	Mounting Bracket (Included) Panel Mount
Teach Mode / Sensitivity Adjustment	Single-Turn Knob / Potentiometer sensitivity
Sensing Distance, Max	800 mm max
Operating Range(s)	12 ... 240V DC 24 ... 240V AC
Ue, Rated Operational Voltage, AC, min	24 V AC
Ue, Rated Operational Voltage, AC, max	240 V AC
Ue, Rated Operational Voltage, DC, min	12 V DC
Ue, Rated Operational Voltage, DC, max	240 V DC
Switching Mode	N/O and N/C
Output Type	NPN/PNP Selectable
Load Current	3 A
Response Time (Off → On)	20 ms
Response Time (On → Off)	30 ms



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Switching/Operating Frequency	20 Hz
Indicators	Yellow
Cable Entry	1/2" - 14NPT
Connection / Termination	Screw Terminal(s)
Number of Conductors	5 qty
Operating Temperature, Min	-25 °C min
Operating Temperature, Max	55 °C max
Storage Temperature, Min	-30 °C min
Storage Temperature, Max	80 °C max
IP Rating	IP67
Shock Rating	IEC 60068-2-32
Vibration Acceleration (Max.)	7.5 m/s <sup>2</sup>
Vibration Displacement (Peak to Peak Max.)	0.5 mm
Vibration Frequency, Operational (Max.)	150 Hz
Vibration Rating	IEC 60068-2-6

### REFERENCES

IECEX Certificate	-
Supplier Declaration of Conformity:	-
Installation Guide:	-
User Manual:	-
Manufacturer Datasheet:	<a href="#">PMD8RIT_ManufacturerDatasheet</a>
Manufacturer Catalogue & Product Selection:	-