

## BR3-NP

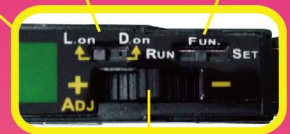
**Digital display**  
 Green: Set Value  
 Red: Present Value

**Output indicator**



**L.on/ D.on switch**

**Function switch**



**Adj/ 3-way Rocker Button**

**Din rail mounting**

- Dual output (NPN/ PNP sync. out)
- Auto teaching press button 2sec
- Easily detect tiny object



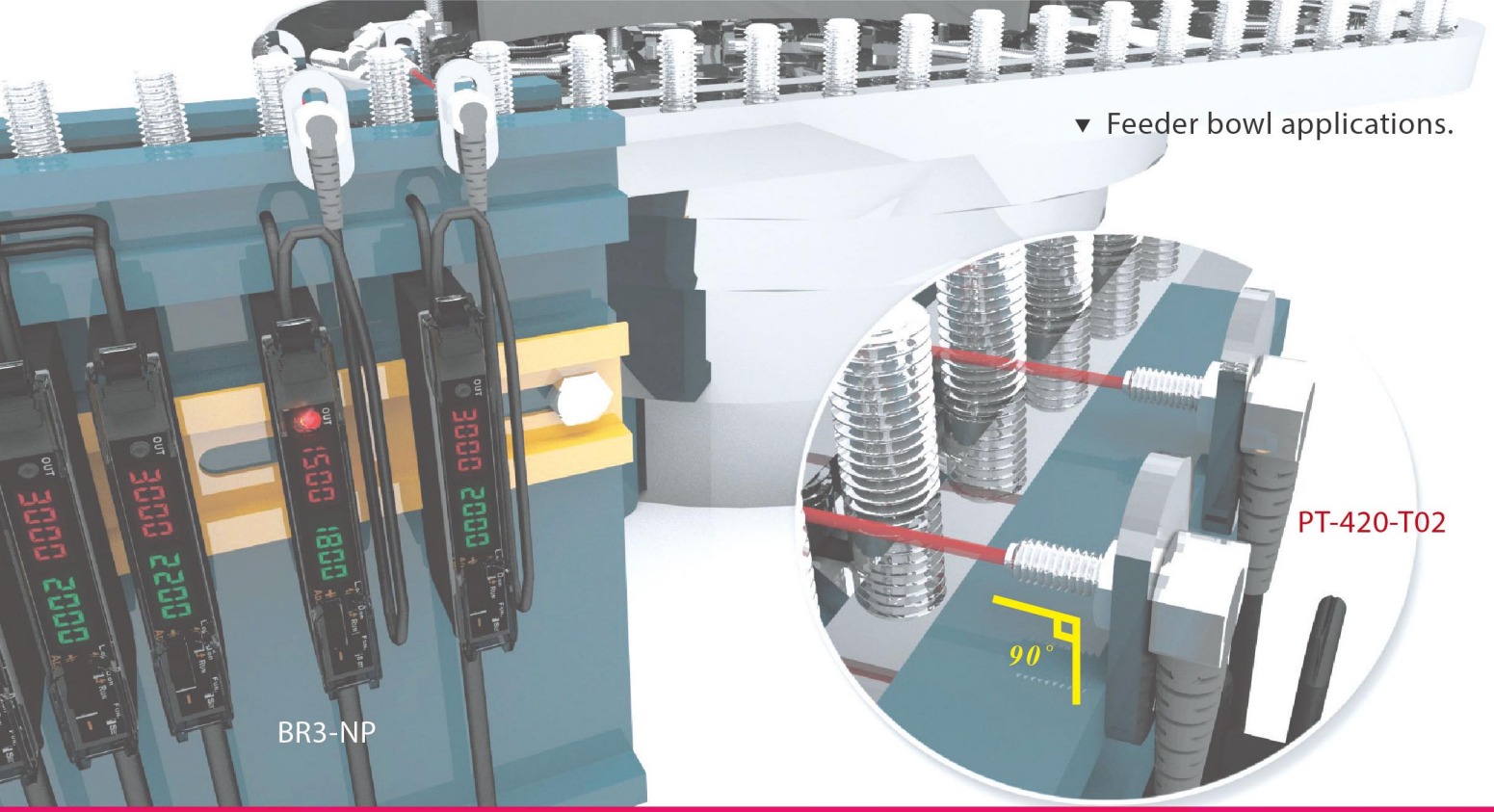
FZ1-KP2



BR1-N



BR2-NP



▼ Feeder bowl applications.

BR3-NP

PT-420-T02

90°

## 90 Degree Fiber 90° 光纖

### ◎ Characteristics

- High stability
- Saving space, easier to install
- 90 degree wiring design kept installation neatly attached to mechanism

	Reflective	Thrubeam
M6	PR-620-T02	—
M4	PRD-420-T02	PT-420-T02
M3	PRD-320-T02	PT-320-T02

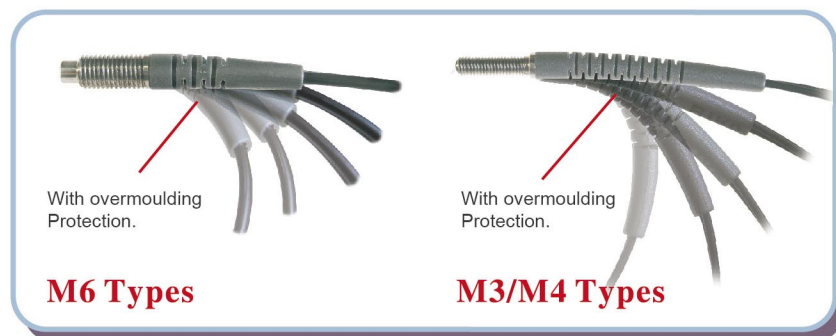
## PT/PR TYPE PT/PR 型式

### ◎ Characteristics

- Protection against excessive bending
- High tensile strength
- High quality

### ◎ Special material for bending resistance

Patent NO.  
M368808 / M380485

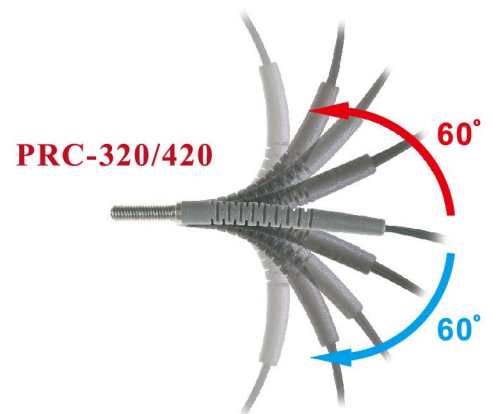


With overmoulding Protection.

**M6 Types**

With overmoulding Protection.

**M3/M4 Types**



**PRC-320/420**

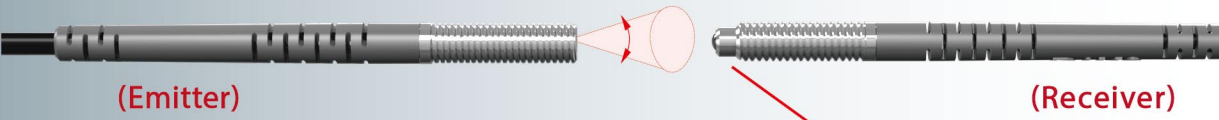
60°

60°

- Special material for bending resistance : better curvature and protection from breakage of fiber in case of smaller bending radius in operation.

- Swinging tests: Swings of **PRC-320/420** are up to 30000. It will efficiently protect the fiber and extend its service life.

Lens Build-in Models: 9°



(Emitter)

(Receiver)

Ball lens

◎ Characteristics

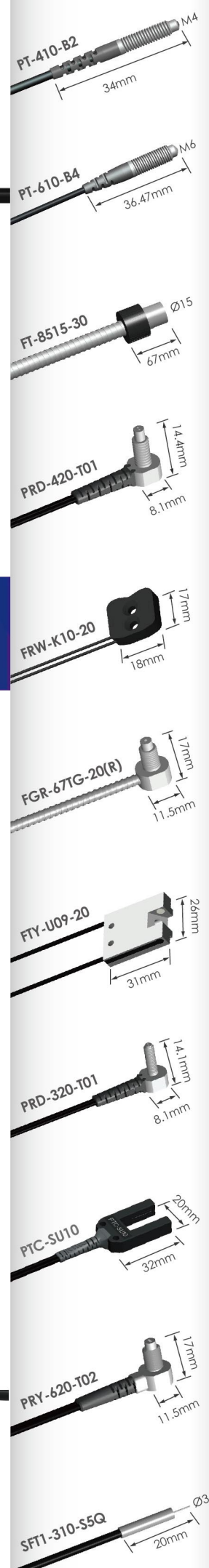
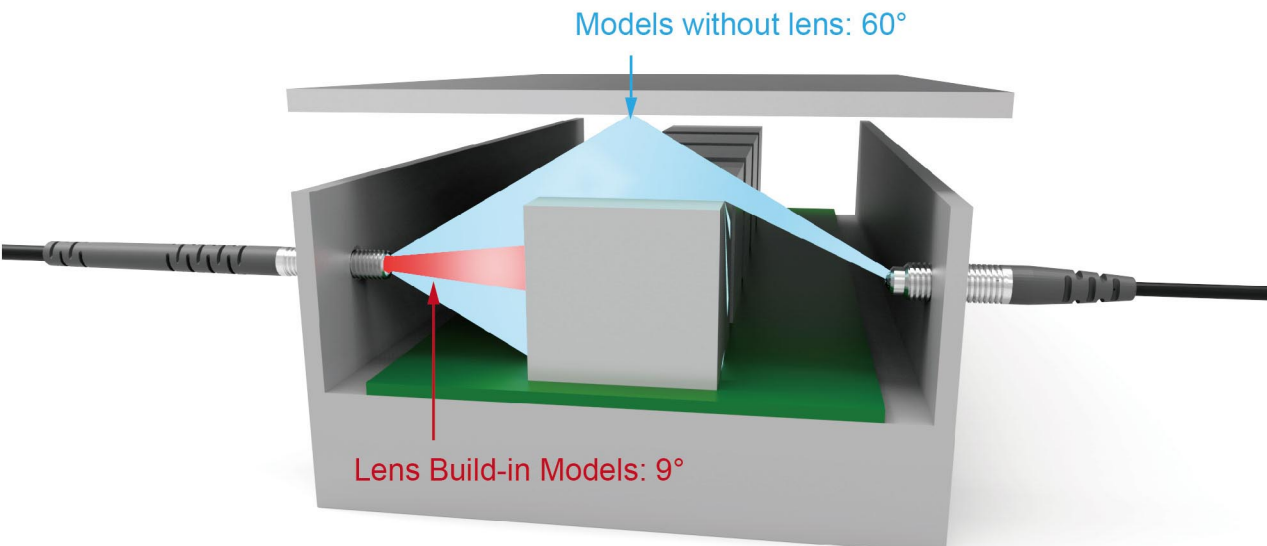
- Increasing sensitivity, minimum sensing object 0.5mm
- Small light spot, to keep emitter light on main sensing object
- New lens built in, increasing sensing distance
- Narrow the emitter light angle for more focusing and more precisely
- New design with lens built in, narrow the emitter light angle for more focusing

# Fiber Built with Lens 光纖內含鏡頭

◎ M4 / M6 TYPE

PTA-410-B2		PTS2-410-B2		PTS2-610-B4		
Spot size	Angle	Spot size	Angle	Spot size	Angle	
Φ14mm	9°	Φ30mm	18°	Φ20mm	12°	
PT-420-H03						
Spot size			Angle			
Φ7mm			9°			

◎ Application: PT-420-H12



PT-60ML

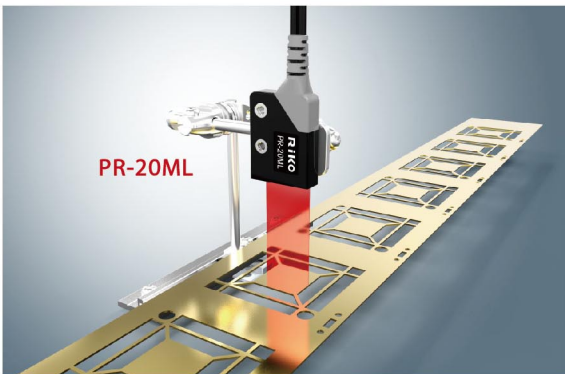
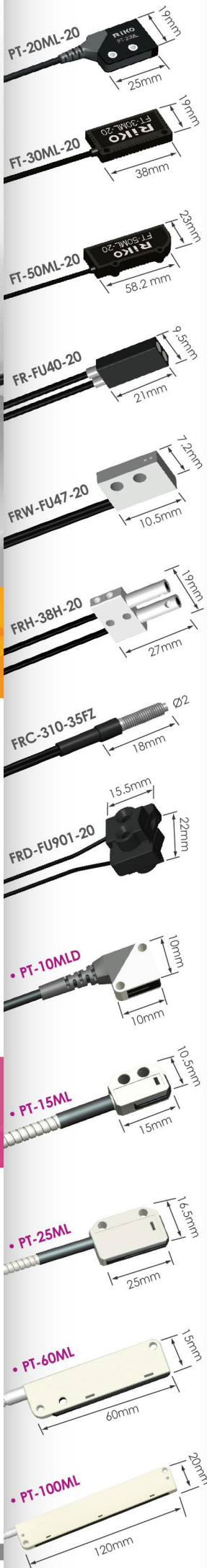


PT4A-20

BR3-NP

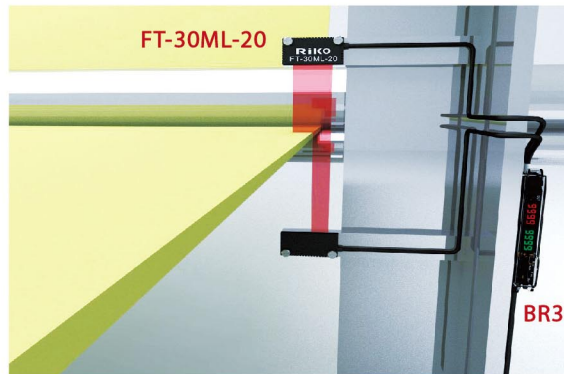
▲ Detecting thin film.

# Array Fiber 矩陣光纖



PR-20ML

▪ Detecting ladframe

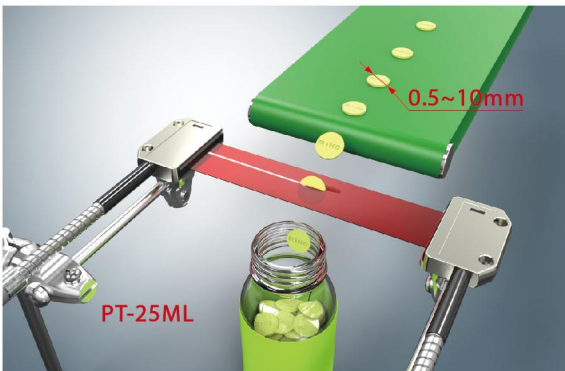


FT-30ML-20

BR3-NP

▪ Detecting edge of target.

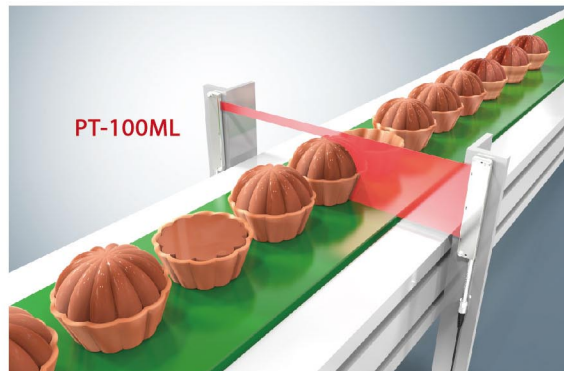
# • Metal Casing 金屬外殼矩陣光纖



0.5~10mm

PT-25ML

▪ Detecting pill or tablet.



PT-100ML

▪ Detecting and counting on conveyor.

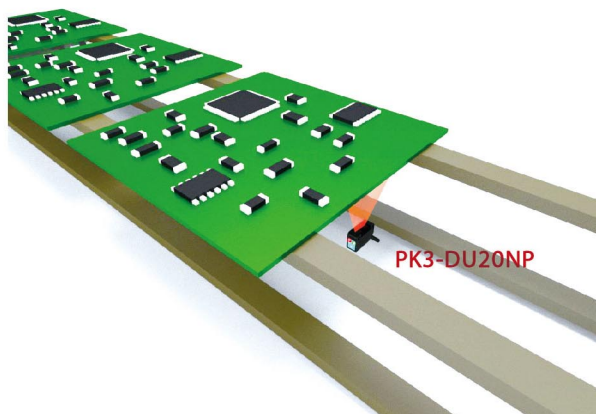
# RiKO



## Wide-Angle Diffuse type Photo Sensor 廣角漫返型光電開關

### ◎ Characteristics

- Standard screw hole 25.4mm
- Compact size (W12xH31xD20mm)
- Visible dual LED makes you easy to know the current operating situation



- Detecting PCB passing.



- Detecting Frame passing.

## Long Sensing Range Photo Sensor 長距離檢測方形光電開關



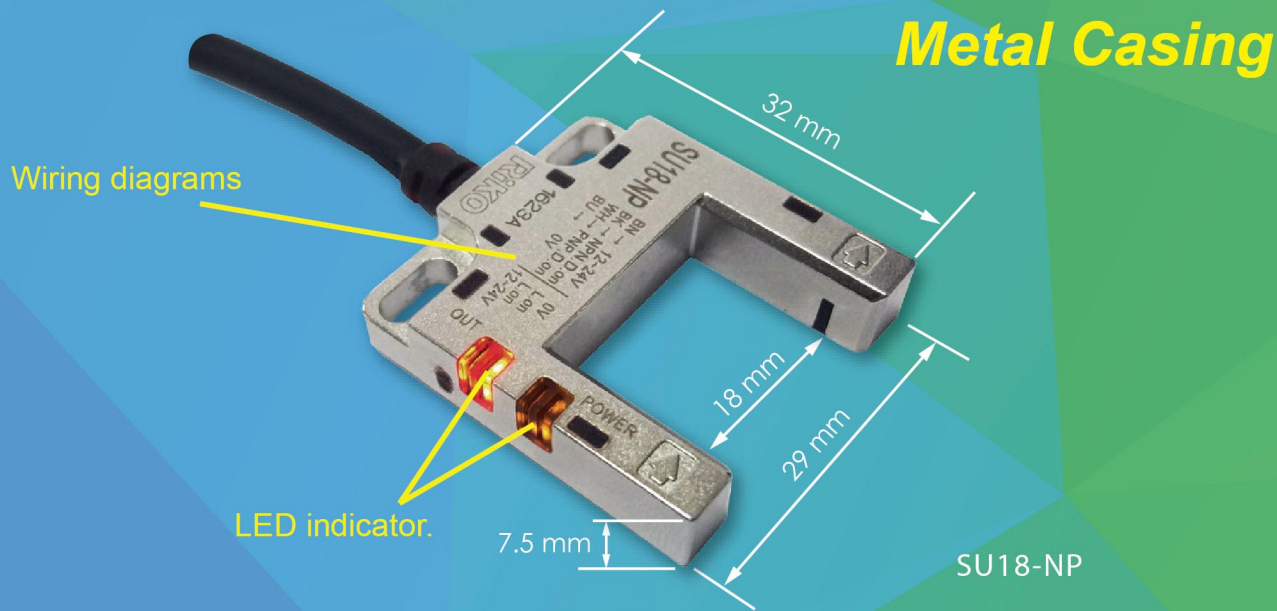
### ◎ Characteristics

- Aspherical optical lens.
- Relay output.
- Off-delay 0.2 second.
- Visible RED light for positioning.
- Special protective hood for dust-proof and greasiness-proof.



### ◎ Characteristics

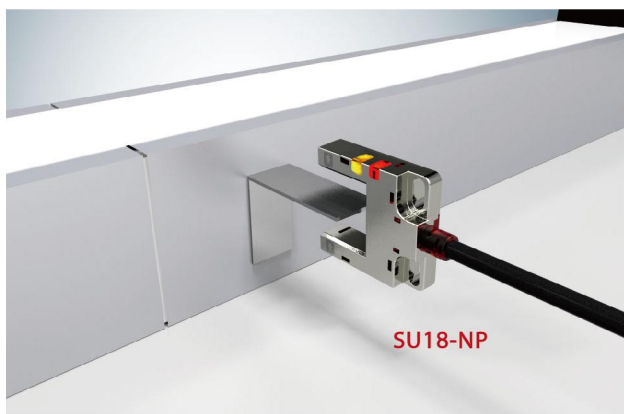
- Special protective hood against waterdrop and dust.
- Its special design enhances more durable and rigid.
- Through beam sensing distance 50M.
- Timer function : On-delay / Off-delay.



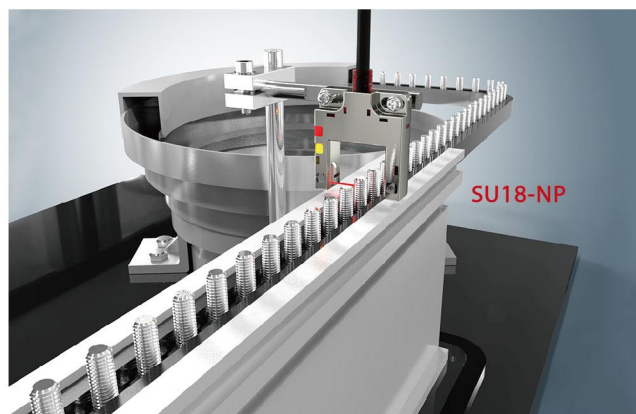
## Metal Casing U-shaped Photo Sensor 金屬外殼U型光電開關

### ◎ Characteristics

- Robust metal casing
- High-speed response, On: 1ms / Off: 1ms
- Wide vane, 18 mm
- SU18 has a better prevention of outside light 5,000 lux max

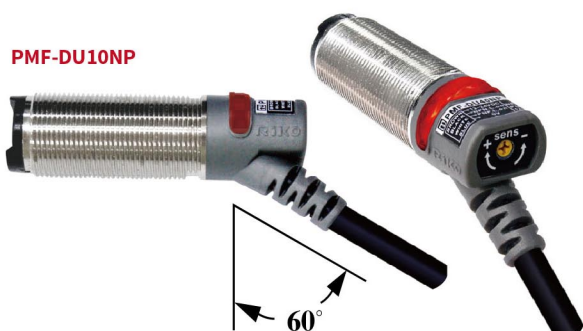


- Machine positioning.



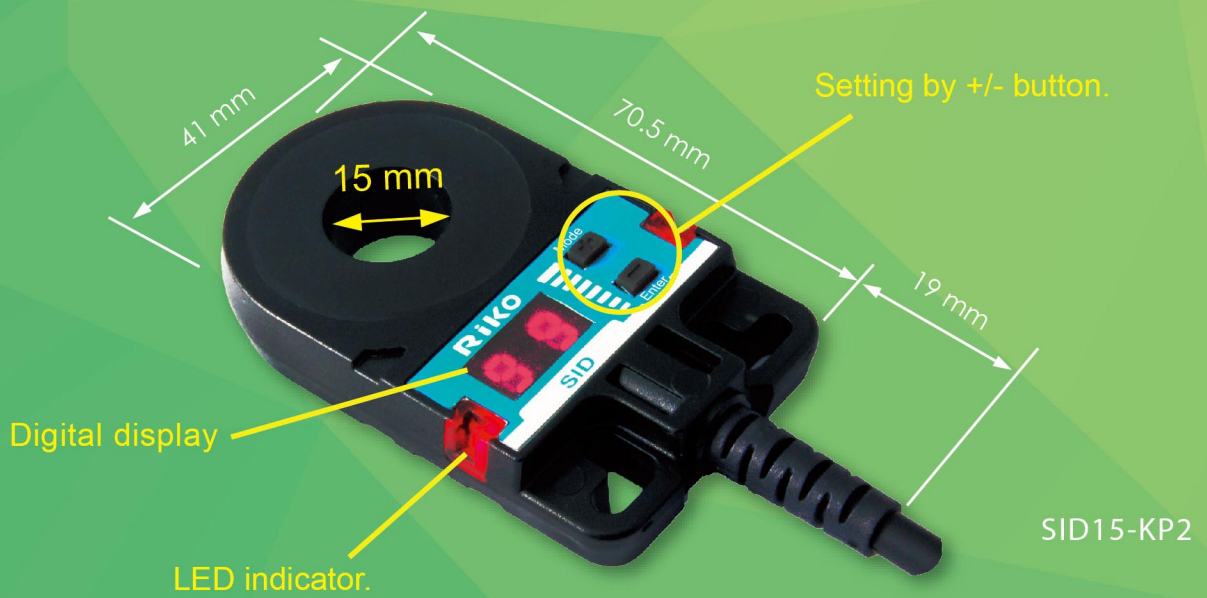
- Detecting positions of rails.

## Overmolding Tubular Photo Sensor 一體成型包覆式光電開關



### ◎ Characteristics

- 60 degree pre-wiring applied to vertical or horizontal positions.
- High brightness red LED indication makes you easy to know the operating situation.
- Special line-out design for tensile. It will upgrade the durability and life.

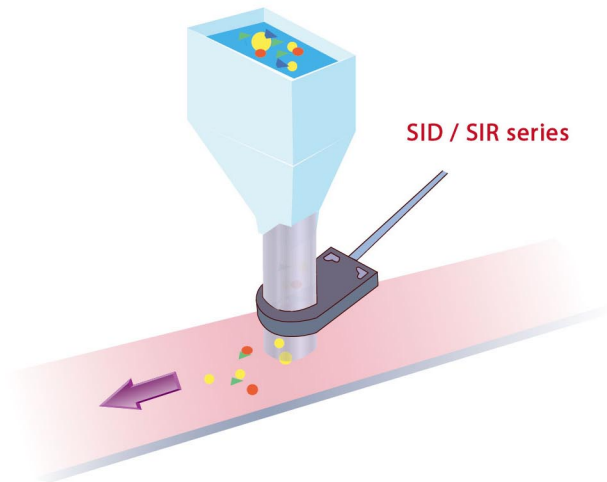


# Digital Inductive Ring Sensor

## 數顯示環形近接開關

### ◎ Characteristics

- Suitable for the detection of tiny metal passing
- The plug in connector type for easy steps of installation
- Digital sensitivity adjustment



- In ring sensors, sensing is made within the ring itself. The sensors is activated when a metallic object is introduced within it.



Plug-in connector



Pre-wired



- Detecting metal parts.

SID15-KP2

SID22-KP2K1

SID30-KP2

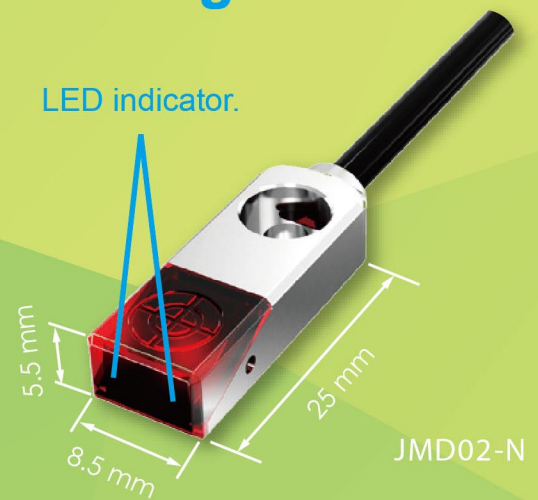
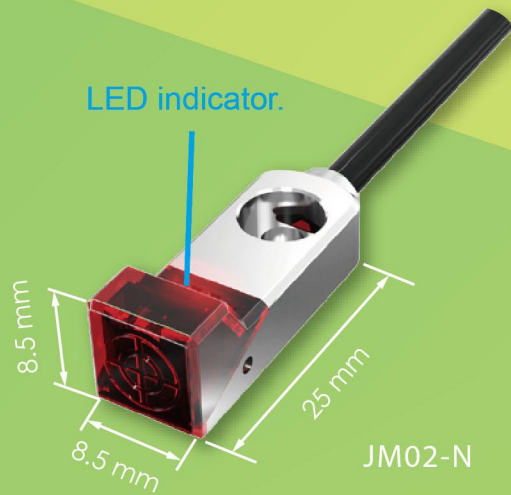
SIR15-KP2

SIR22-KP2K1

SIR30-KP2K1



## Metal Casing



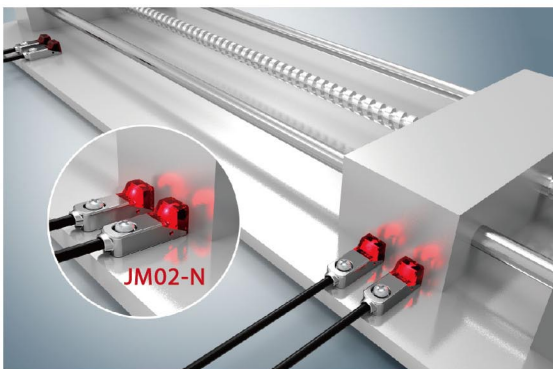
# Metal Casing Micro Inductive Sensor

## 金屬外殼微型近接開關

### Pre-wire $\varnothing 3 \times 2M/3$ -wires

#### ◎ Characteristics

- Robust metal casing
- Small dimension : 8.5x5.5x25mm

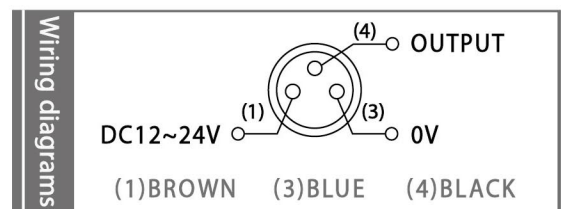


- Detecting worktable positions.

### M8 pigtailed type

#### ◎ Characteristics

- M8 3pin connector model available
- Single screw hole fixing



# Teflon Housing Capacitive Sensor

## 鐵氟龍外殼電容式近接開關（耐酸鹼、抗腐蝕）

#### ◎ Characteristics

- Teflon(PTFE) Housing : Acid - resistant
- Sensitivity adjustment : 20-turn potentiometer (VR).
- Widely applied to detect metal, water, oil, glass, plastics, paper etc.

