

TQ18

T-style Photo Sensor

◆Characteristic / 特點：

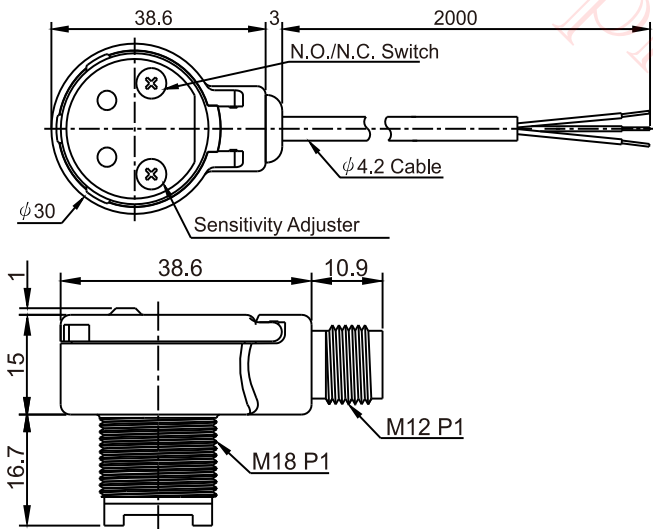
- Elbow housing design, space saving. / 晶體輸出，反應快
- N.O./N.C. function can be adjusted by N.O./N.C. Switch.
(N.C.(D.on) : Turn the switch to the end of left side.
N.O.(L.on) : Turn the switch to the end of right side.)
/輸出之NO/NC可用VR調整，無需重新配線
(N.C. : VR轉至最左；N.O. : VR轉至最右)
- Easy to install. / 體積小(30x49.5x32.7mm)安裝容易
- Prevent from water and oil, dust cover attached.
/具有防塵蓋，可防水、防油



◆Specifications / 規格表：

| Model / 型號 | NPN L.on/D.on | TQ18-DU10/40N | TQ18-DU10/40NK1 |
|---------------------------------|-----------------------------------|---------------|------------------------------------|
| | PNP L.on/D.on | TQ18-DU10/40P | TQ18-DU10/40PK1 |
| Sensing type / 檢出方式 | Diffuse reflection/擴散反射式 | | |
| Sensing distance / 檢出距離 | 10cm / 40cm，白紙 100x100 (10/40cm) | | |
| Emitting light / 發光源 | Infrared LED 850nm | | |
| Operating voltage / 工作電壓 | DC12~24V | | |
| Current Consumption / 消耗電流 | 34mA Max. | | |
| Load current / 負載電流 | 100mA Max. at DC24V | | |
| Response time / 反應時間 | 1.5 ms Max. | | |
| Insulation resistance / 隔離阻抗 | 20MΩ min. (DC500V) | | |
| Voltage withstandability / 絕緣耐壓 | AC1000V 60Hz for 60 Sec. | | |
| Operating temperature/工作溫度 | - 25 °C ~ + 60 °C | | |
| Ambient humidity / 工作溼度 | 35% ~ 85% RH | | |
| Protection degree / 防水等級 | IP66 | | |
| Material / 外觀材質 | ABS | | |
| Wiring method / 出線方式 | Pre-wired Ø4.2 x 2 M / 3-wires 出線 | | M12 plug-in connector type / M12接頭 |
| Weight / 重量 | Approx.65g | | Approx.18g |

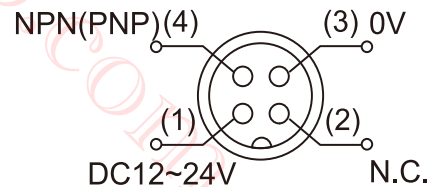
◆Dimensions/尺寸圖：



TQ18-DU□



TQ18-DU□K1



T-style Photo Sensor

TQ18

◆Characteristic / 特點 :

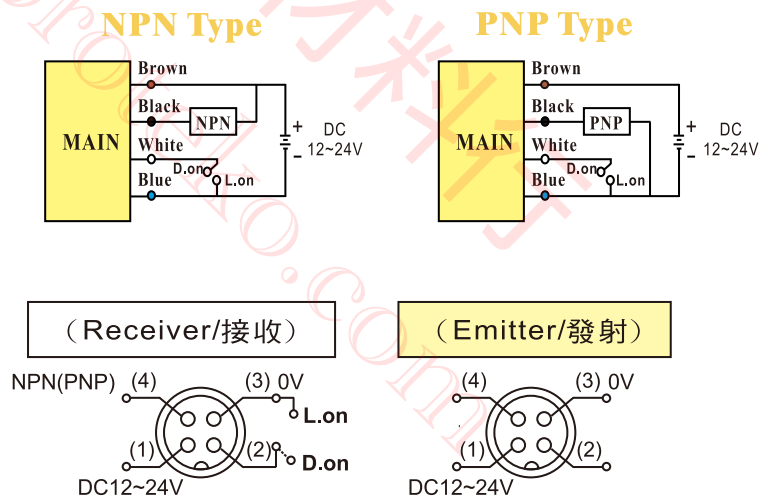
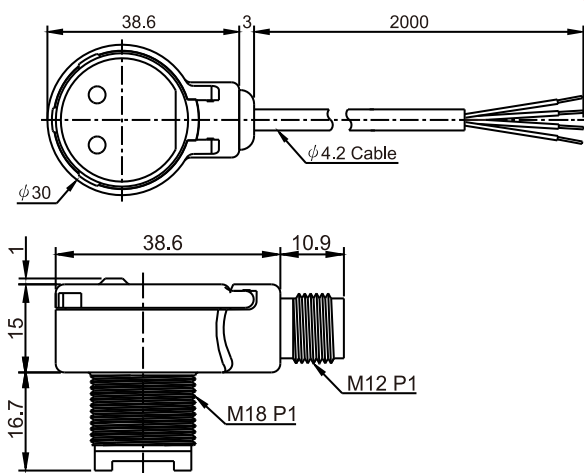
- High brightness dual LED makes you easy to know the current operating situation.
/高亮度雙LED指示燈，讓您可以很快的了解感應器的使用狀態。
- L.on/D.on Switch function.
/有L.on/D.on兩種輸出型的選擇。
- Easy to install. /體積小(30x49.5x32.7mm)安裝容易
- Prevent from water and oil,dust cover attached.
/具有防塵蓋，可防水、防油



◆Specifications / 規格表 :

| Model / 型號 | NPN L.on/D.on | TQ18-10/20N | TQ18-10/20NK1 |
|---------------------------------|--|-------------|------------------------------------|
| | PNP L.on/D.on | TQ18-10/20P | TQ18-10/20PK1 |
| Sensing type / 檢出方式 | Through beam/對照式 | | |
| Sensing distance / 檢出距離 | 10M / 20M | | |
| Emitting light / 發光源 | Infrared LED 850nm | | |
| Operating voltage / 工作電壓 | DC12~24V | | |
| Current Consumption / 消耗電流 | (Receiver)40mA Max. (Emitter)18mA Max. | | |
| Load current / 負載電流 | 100mA Max. at DC24V | | |
| Response time / 反應時間 | 1.5 ms Max. | | |
| Insulation resistance / 隔離阻抗 | 20MΩ min. (DC500V) | | |
| Voltage withstandability / 絕緣耐壓 | AC1000V 60Hz for 60 Sec. | | |
| Operating temperature/工作溫度 | - 25 °C ~ + 60 °C | | |
| Ambient humidity / 工作溼度 | 35% ~ 85% RH | | |
| Protection degree / 防水等級 | IP66 | | |
| Material / 外觀材質 | ABS | | |
| Wiring method / 出線方式 | RX : Pre-wired Ø4.2 2M / 4-wires TX : Pre-wired Ø4.2 2M / 2-wires | | M12 plug-in connector type / M12接頭 |
| Weight / 重量 | Approx.130g | | Approx.35g |

◆Dimensions/尺寸圖 :



Fiber

Photo Sensor

Area Sensor

Ultrasonic Sensors

Inductive Proximity Sensor

Capacitive Proximity Sensor

Timer / Counter

Others

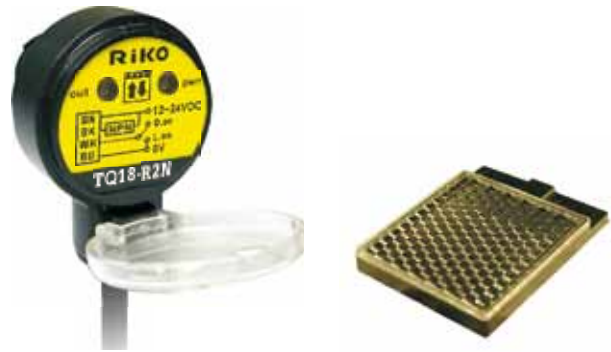
Accessories

TQ18

T-style Photo Sensor

◆Characteristic / 特點 :

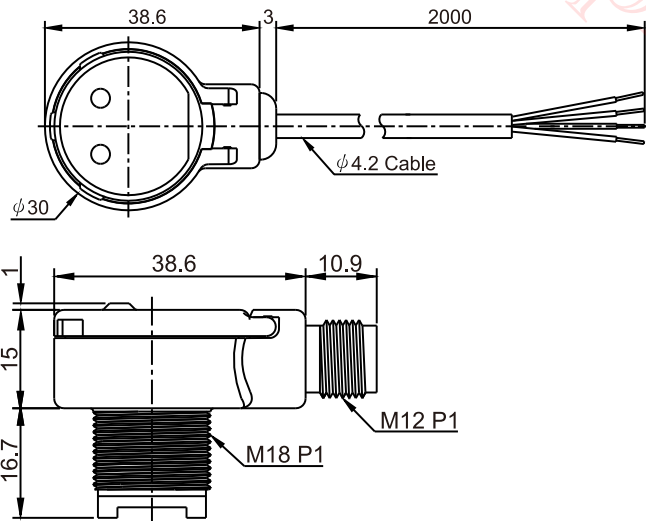
- L.on/D.on Switch function.
/有L.on/D.on兩種輸出型態的選擇.
- Easy to install. / 體積小(30x49.5x32.7mm)安裝容易
- Prevent from water and oil,dust cover attached.
/具有防塵蓋,可防水、防油



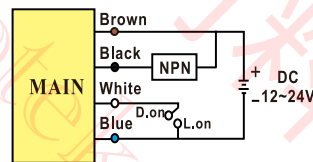
◆Specifications / 規格表 :

| Model / 型號 | NPN L.on/D.on | TQ18-R2N | TQ18-R2NK1 | TQ18-PR1N | TQ18-PR1NK1 |
|---------------------------------|----------------------------------|--------------------------------------|----------------------------------|--------------------------------------|-------------|
| | PNP L.on/D.on | TQ18-R2P | TQ18-R2PK1 | TQ18-PR1P | TQ18-PR1PK1 |
| Sensing type / 檢出方式 | Retroreflective/鏡片反射式 | | | Polarizing Retroreflective/偏光鏡反射式 | |
| Sensing distance / 檢出距離 | 2M | | | 1M | |
| Emitting light / 發光源 | Infrared LED 940nm | | | Red LED 650nm | |
| Operating voltage / 工作電壓 | DC12~24V | | | | |
| Current Consumption / 消耗電流 | 34mA Max. | | | | |
| Load current / 負載電流 | 100mA Max. at DC24V | | | | |
| Response time / 反應時間 | 1.5 ms Max. | | | | |
| Insulation resistance / 隔離阻抗 | 20MΩ min. (DC500V) | | | | |
| Voltage withstandability / 絕緣耐壓 | AC1000V 60Hz for 60 Sec. | | | | |
| Operating temperature/工作溫度 | - 20 °C ~ + 60 °C | | | | |
| Ambient humidity / 工作溼度 | 35% ~ 85% RH | | | | |
| Protection degree / 防水等級 | IP66 | | | | |
| Material / 外觀材質 | ABS | | | | |
| Wiring method / 出線方式 | Pre-wired Ø4.2 x 2M / 4-wires | M12plug-in connector type / M12接頭 | Pre-wired Ø4.2 x 2M / 4-wires | M12plug-in connector type / M12接頭 | |
| Weight / 重量 | Approx.65g | Approx.18g | Approx.65g | Approx.18g | |

◆Dimensions/尺寸圖 :



NPN Type



PNP Type

