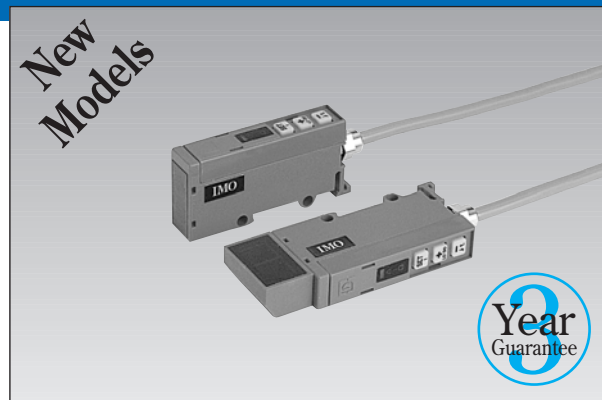


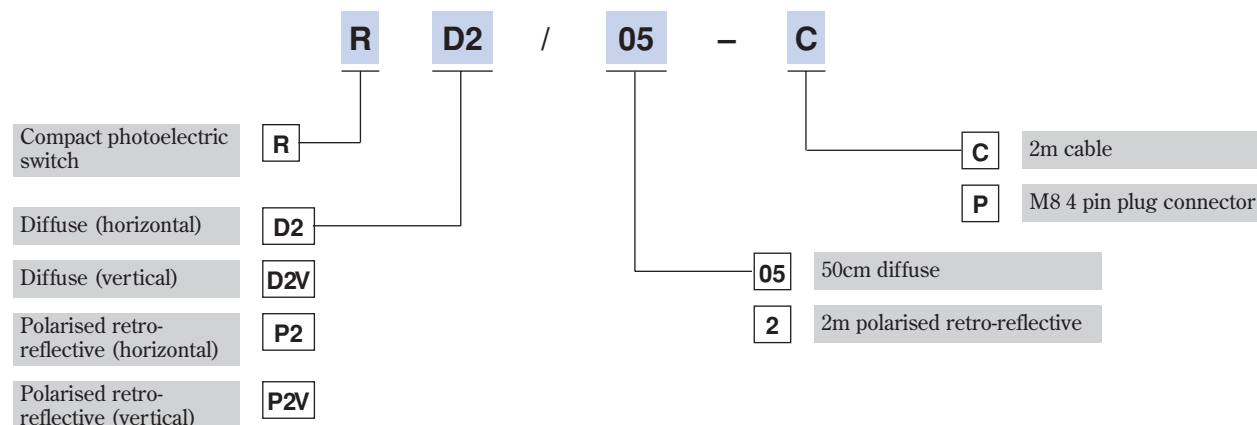
Compact 60 x 30 x 13 programmable rectangular photoelectric switches in upright or horizontal mounting

- One-key self-teach sensitivity adjustment with manual override (remote input)
- Horizontal and vertical mounting models
- Full push-button programming
- Keyboard locking function to prevent accidental or unauthorised programming change
- User-selectable on-delay or off-delay timer with adjustable time
- NPN/PNP output with LO/DO NO/NC selection
- M8 miniature plug-in for easy maintenance
- M4 screw or DIN rail mounting
- IP65 protection
- LED indicators for:

On-off detection	Weak signal
Timer on	Dirty optics
Locked keyboard	Alignment
Short-circuit output	Signal strength



Options and ordering codes



Specifications

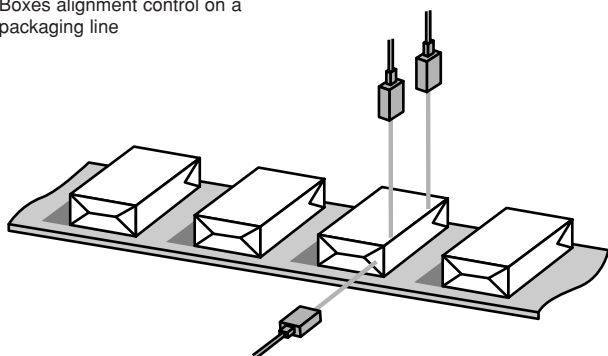
Supply	Voltage	10 / 30 VDC
	Consumption	Ripple < 10% within here-above specified limits < 40 mA
Response time	t _{on} or t _{off}	< 500 µs
	Switching frequency	< 1 kHz
Output	Maximum nominal intensity	100 mA
	Residual voltage at 100 mA	< 2 V
	Residual voltage at 10 mA	< 1 V
Emission	LED	Red (diffuse) infra red (retro)
	Modulation frequency	8 kHz
Timer	Range	0 to 5 s with 11 increments
	Increment duration	First increment: 40 ms, following increments: 500 ms
Temperature	Operating	0 to 60 °C
	Storage	-20 to 80 °C
External light immunity	Incandescent light	10 000 lux
	Sunlight	20 000 lux
Protections	Supply	Inverse polarity protection
	Output	Permanent short-circuit or over-load protection
	Degree of protection	IP 65
Remote input	On	Voltage < 1.4 V
	Off	Voltage > 3 V

Applications

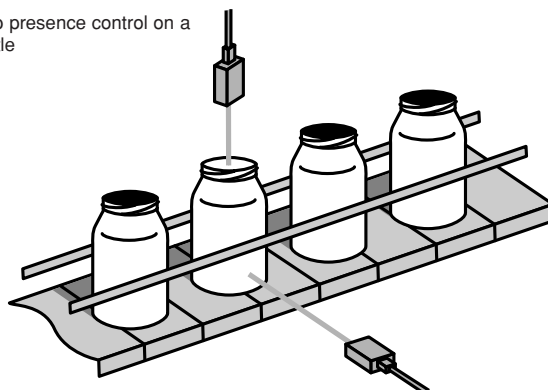
- Position or presence control of parts
- Detection of opaque or transparent parts
- Detection of shiny parts

Types of applications

Boxes alignment control on a packaging line



Cap presence control on a bottle

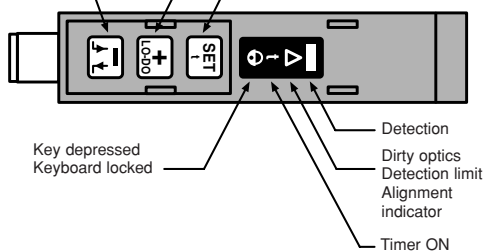


Visualisation and keyboard

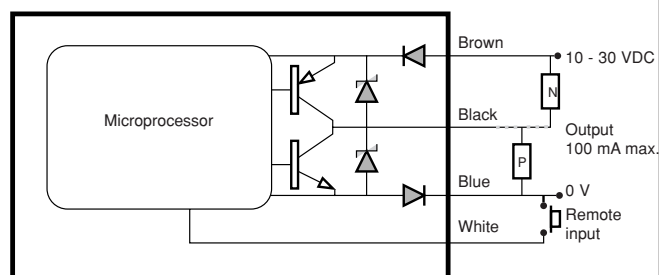
Sensitivity decrease
On delay - Off delay
Decrease timer adjustment

Sensitivity increase
Light on - Dark on
Increase timer adjustment

Automatic threshold set-up
Special functions key

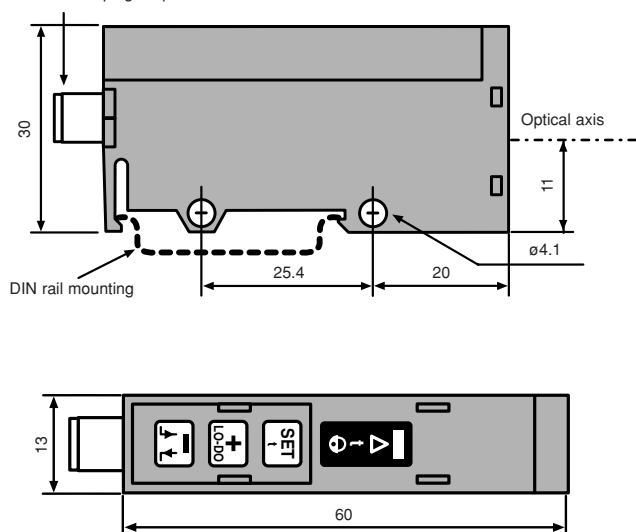


Wiring connections



Dimensions (mm)

Cable or M8 plug - 4 pins



Cable or M8 plug - 4 pins

