

**CAD 120 / CAD 180 / CAD 250**



- Spread : 120 to 250 mm
- Supply : 24 VDC
- Outputs : PNP / NPN
- Adjustable timer
- Built-in amplifier



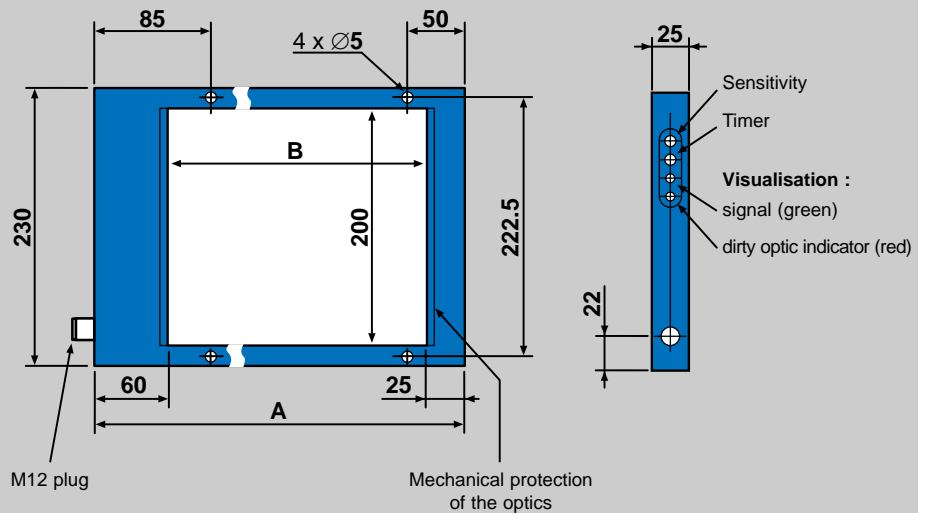
**Description :**

- Simple and quick adjustment by potentiometre
- Adjustable timer
- Dirty optic indicator
- Output indicator
- Faulty supply indicator
- Mechanical protection of the optics
- Direct or inverse output
- Static output
- M12 plug
- Painted aluminium strong housing

**Applications :**

- Dynamic detection of parts of various material (plastic or metal), various shape and colour.
- Count of parts.
- Tools protection by ejection control of parts from a press.

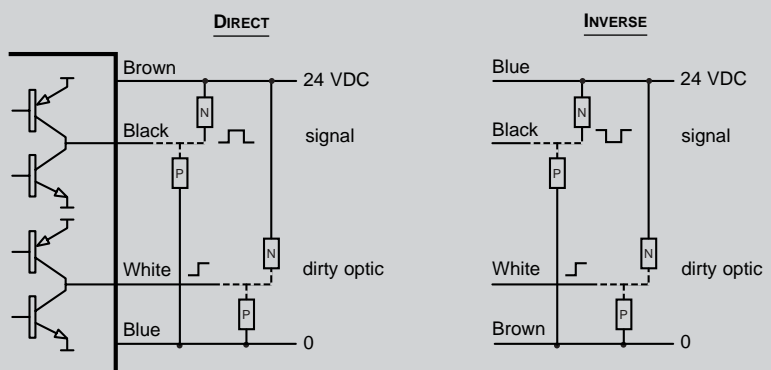
**Dimensions and Visualisation**



- In case of a faulty supply, the red LED flashes.
- In case of a short-circuit on an output, the red and green LEDs flash.

TYPE	A (mm)	B (mm) : spread
CAD 250	335	250
CAD 180	265	180
CAD 120	205	120

**Wiring Connections**



**Technical Information**

<b>Supply</b>	voltage	18 to 30 VDC ripple < 10% within specified limits
	consumption	400 mA
<b>Response time</b>	t <sub>on</sub> or t <sub>off</sub>	1 ms
	switching frequency	500 Hz
<b>Outputs</b>	max. nominal intensity	100 mA
	residual voltage at 100 mA	< 2 V
	residual voltage at 10 mA	< 1 V
<b>Emission</b>	LED	infra-red
<b>Timer</b>	retriggerable OFF-delay	max. 5 s
<b>Temperature</b>	operating	0 to 60 °C
	storage	-20 to 80 °C
<b>External light immunity</b>	incandescent light	400 lux
	sunlight	4 000 lux
<b>Protections</b>	output	permanent short-circuit or over-load protection
	degree of protection	IP 65
<b>Minimum size of detection</b>		ø 4 mm
<b>Object speed</b>	minimum	10 cm/s ø 4 mm
	maximum	15 m/s ø 4 mm

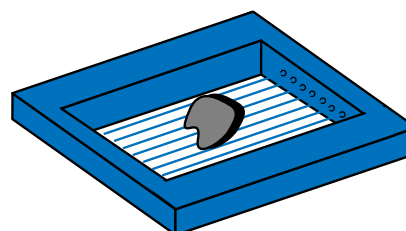
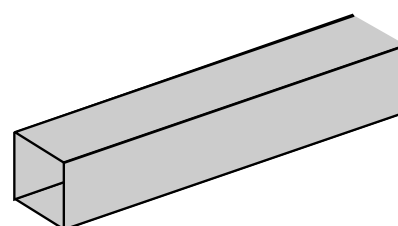
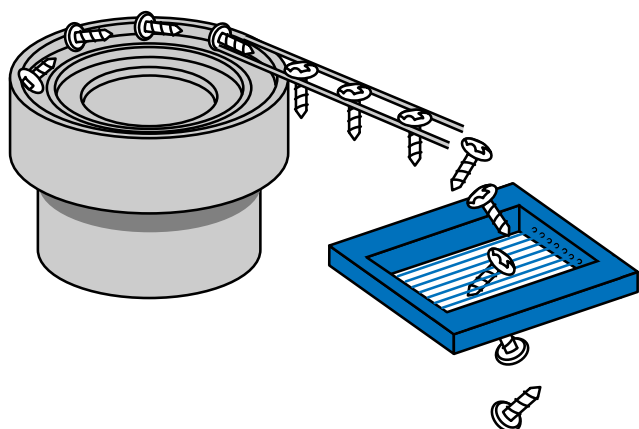
**To Place Order**

<b>Product</b>	Frame sensor
<b>Reference</b>	CAD - ( ) - S - 24 VDC
<b>Type</b>	
spread 120 x 200 mm	(120)
spread 180 x 200 mm	(180)
spread 250 x 200 mm	(250)

TYPES OF APPLICATIONS

**Example 1**

Detection of parts at the output of a bowl feeder.



**Example 2**

Ejection control at the output of a press.