

AFP 946 S



- Sensing distance with plastic fibre
See technical informations
on sheet "Plastic Fibre Optics"
- Supply : 10 / 30 VDC
- Output : PNP / NPN
- On-delay or off-delay timer standard



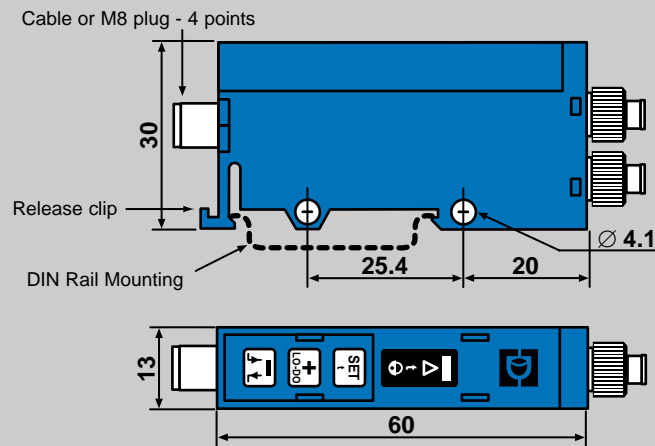
Description :

- Simple and quick set-up
for self-teach (standard
and sensitive mode)
- Adjustable timer
- Alignment indicator
- Dirty optics indicator
- Keyboard lock
- Remote input for self-
teach (sensitive mode)
- Direct or inverse output
- Output : PNP / NPN
- Cable or M8 plug
- Polycarbonate strong
housing

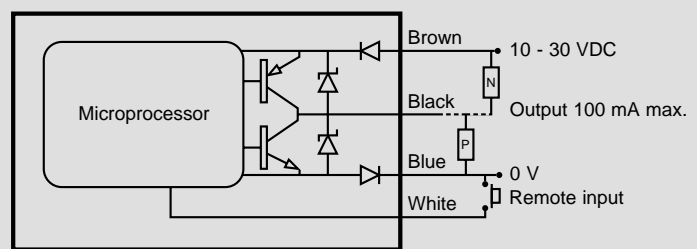
Applications :

- Position or presence
control of parts on assem-
bling or conditioning
machine.
- Marks and contrasts sen-
sors for packaging.
- Detection of translucent
parts on little conveyor.
- Plastic fibre use in vibra-
ting surroundings.

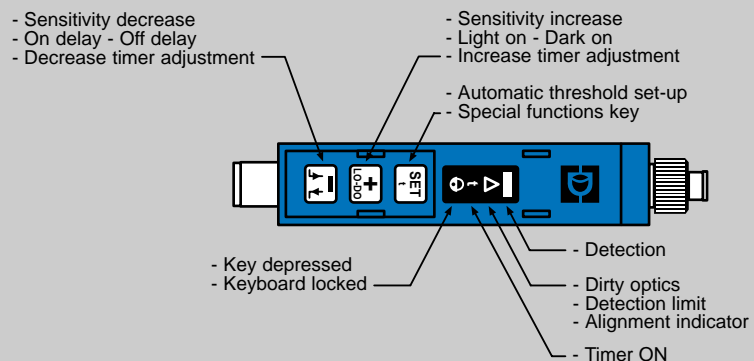
Dimensions



Wiring Connections



Visualisation and Keyboard



Technical Information

Supply	voltage	10 / 30 VDC ripple < 10% within specified limits
	consumption	< 40 mA
Response time	t _{on} or t _{off}	< 500 μs
	switching frequency	< 1 KHz
Output	max. nominal intensity	100 mA
	residual voltage at 100 mA	< 2 V
	residual voltage at 10 mA	< 1 V
Emission	LED	red
	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

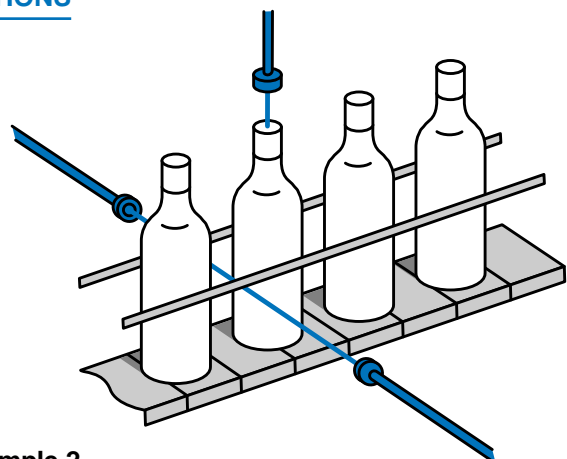
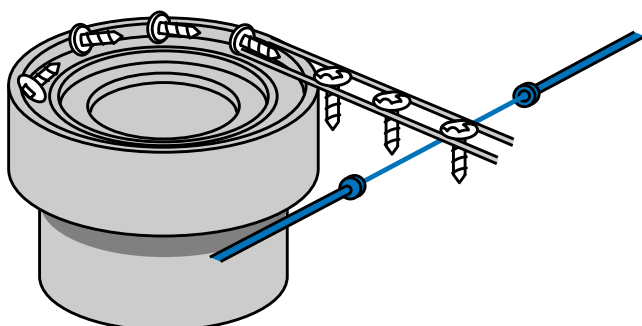
To Place Order

Product	Plastic fibre optic sensor
Reference	AFP 946 S : cable 2m AFP CO 946 S : output M8 plug
Cable with M8 plug if required, please order together with the sensor	CM 82 - cable 2m CM 82 C - cable 2m with right angle connector CM 85 - cable 5m CM 85 C - cable 2m with right angle connector

TYPES OF APPLICATIONS

Example 1

Through-beam application with self-teach, STANDARD MODE.



Example 2

Through-beam application with self-teach, SENSITIVE MODE (weak alleviation).