

**AFV 966 S**

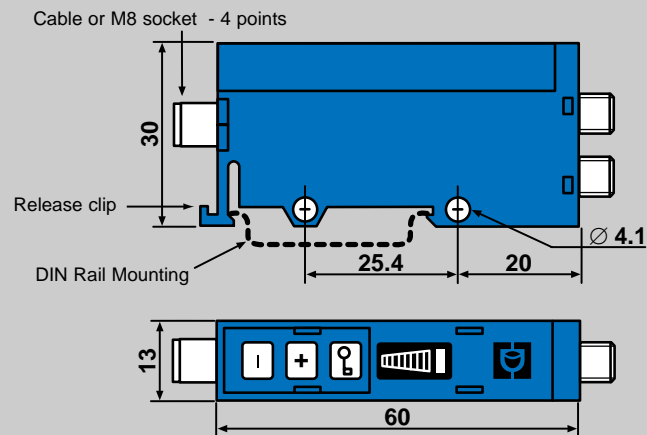
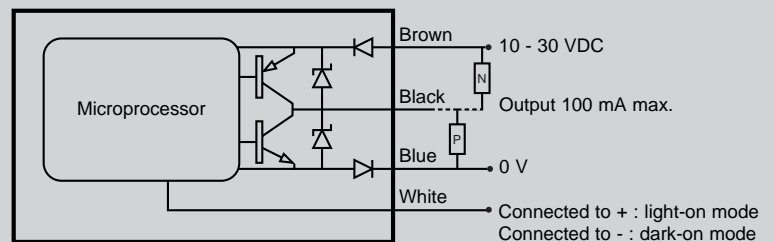
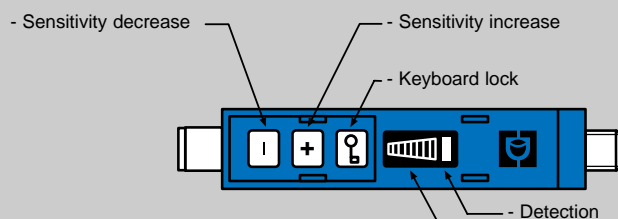
- Sensing distance with glass fibre  
See technical information  
on sheet "Glass Fibre Optics"
- Supply : 10 / 30 VDC
- Output : PNP / NPN
- Friendly adjustment by key + / -
- Bargraph

**Description :**

- Simple adjustment
- Sensitivity bargraph
- Maximum and minimum sensitivity indication
- Keyboard lock
- Direct or inverse output
- Output : PNP / NPN
- Cable or M8 socket
- Polycarbonate strong housing

**Applications :**

- Position or presence control of parts on assembling or conditioning machine.
- Detection of presence of parts in a plastic mould.
- Detection under extreme conditions.
- Glass fibre use in high-temperated surroundings (output of furnace).

**Dimensions****Wiring Diagram****Display and Keyboard**

- In case of a short-circuit, both red and green LEDs flash

## Technical Information

<b>Supply</b>	voltage	10 / 30 VDC ripple < 10% within specified limits
	consumption	< 40 mA
<b>Response time</b>	t <sub>on</sub> or t <sub>off</sub>	< 500 µs
	switching frequency	< 1 KHz
<b>Output</b>	max. nominal intensity	100 mA
	residual voltage at 100 mA	< 2 V
	residual voltage at 10 mA	< 1 V
<b>Emission</b>	LED	red
	modulation frequency	8 KHz
<b>Temperature</b>	operating	0 to 60 °C
	storage	-20 to 80 °C
<b>External light immunity</b>	incandescent light	10 000 lux
	sunlight	20 000 lux
<b>Protections</b>	supply	inverse polarity protection
	output	permanent short-circuit or over-load protection
	degree of protection	IP 65
<b>Light-on / dark-on function</b>		see wiring diagram

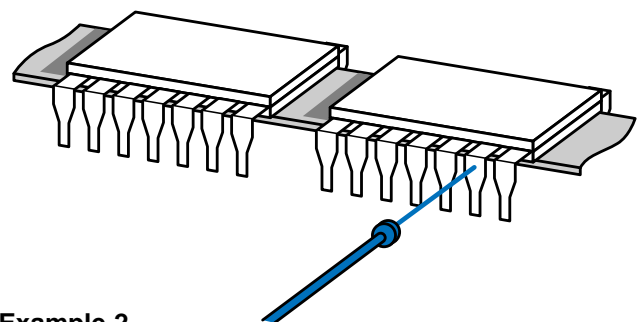
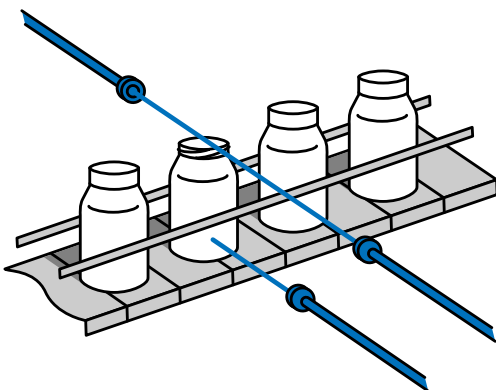
## To Place Order

<b>Product</b>	Glass fibre optic sensor
<b>Reference</b>	AFV - ( ) - 966 S ( ) output by cable 2m (C0) output M8 socket without cable
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

## TYPES OF APPLICATIONS

### Example 1

Detection of presence of parts (here, lids) on a conveyor.



### Example 2

Detection by glass fibre of small parts.