# **AGM Elettronica**

systems and instruments for the wire industry

# **A112**

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# Monitoring system for detecting micro wire breaks



### **Description**

The photoelectric sensor model A112 allows to realize a system for detecting breaks of thin wires from 10  $\mu m$  in diameter, with a detection range greater than 50 cm.

The A112 produces these results without the use of laser technology, allowing high immunity to vibration and a secure alignment between receiver and transmitter.

To facilitate the alignment is present a monitoring output of the level of the carrier signal

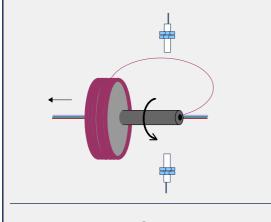
For applications that require the counting of the wires is available a model with a digital output.

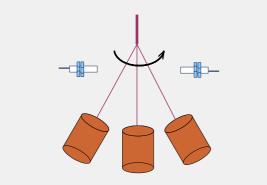
## **Applications**

#### Detection of

- cotton wires
- thin wires
- uncoated optical fibers
- transparent wires

## **Typical applications**





#### **Technical specifications**

Detection mode through beam Power supply 12 ÷ 27 V DC

Output PNP or NPN, Open collector

Dimensions 75 X 22,5 X 100 mm

Size (sensor) M13 X 31 mm Output delay 0,2 ÷ 4 s Max frequency 2 kHz

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