

APPLICATIONS

- Picture sensor PS for protection of paintings

FEATURES

- Functional self-monitoring, extremely resistant to false alarms, protected against manipulation and sabotage
- Insensitive to air turbulence and external light
- Not affected by magnetic fields

The picture sensor PS is an optoelectronic sensor for contact-free protection to prevent the removal of pictures, paintings and similar objects.

The sensor is installed behind or below the picture or object to be protected.

It irradiates the near surface of the object, such as the rear side of a painting, with invisible infrared light and receives the infrared light which is reflected from the object.

The level of the received radiation is measured and forms the basis for triggering the alarm.

The sensor adapts itself automatically to the existing operating conditions.

Which means that the distance between the sensor and the object being monitored can be selected freely within certain limits.

The sensor extremely

- **reliable,**
- **resistant to any attempts to manipulate or bypass it.**
- **monitors itself,**
- is very flat,
- requires no modifications to the object to be protected and
- causes no damage to the object.



Picture Sensor PS

TECHNICAL DATA PS

Monitoring distance:	0 to 150 mm, depending on the reflective properties of the object to be protected
Detection field	
in direct contact:	min. 20 x 40 mm
at a distance of 70 mm:	min. 300 x 200 mm (ca. DIN A4)
Luminous intensity:	<4 lx
Supply voltage:	9 - 15 VDC
Current consumption:	approx. 25 mA
Alarm outputs:	potential-free relay contact. Contact opens when alarm is triggered
	potential-free switch
Sabotage contact:	0 to +65 °C
Ambient temperature:	grey PVC / IP 30
Case/protection degree:	78 mm x 59 mm x 11 mm
Dimensions (LxWxH):	Class C
VdS-Certificate	

ORDERING INFORMATION

- Picture sensor PS (PS standard) - with 1 relay output normally closed
- other outputs on request