

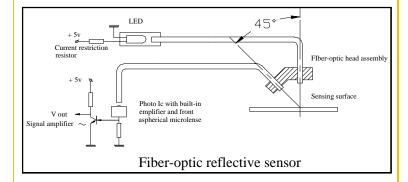
FOS-RS Fiber Optic Reflective Sensor

FOS-RS is LED based sensor for such applications as home limit switchers that required ultra small size of sensing head and adjustable sensing gap. The advantages of fiber-optic interrupter FOS-RS are:

- No presence of electrical wires in the sensing areas;
- The orientation of the receiving and illuminating parts of the sensor's head can be under different angles;
- Resistance to the following environments:
 - chemical;
 - corrosive;
 - water;
 - the strong electrical field;
 - microwave fields;
 - x-rays;
 - gamma radiation;
 - high pressure;
 - vacuum.
- Life time warranty;
- High reliability;
- Significant cost savings.

General Specifications

- Diameter of fiber optic core from 0.2 to 2.00 mm;
- Length of free cut optic duplex or simplex cable up to 30 feet:
- Single source power supply +5v; 20 mwt:
- Distance to the sensing surface: 0.5÷15 mm;
- Optical properties of the sensing surface:
 - Diffuse:
 - Specular;
- Space angle orientation: ±30° relatively vertical to the wavelength of LED-650nm.



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