

## >> Optical Proximity Switches <<

Sai Control offers **Optical Proximity Switches** with modulated infrared beam consisting of a transmitter and a receiver. The state-of-the-art modulation and detection circuit ensures reliable operation of sensors in hostile environment and are unaffected by temperature variation and stray light.

### Applications

**Optical Proximity Switches** are widely used for sensing metals and non-metals like wood, glass, paper and water, etc.

**Optical Proximity Switches** are used for automation in various industries

like pharmaceutical machines, packaging machines, food processing, textile machines, conveyor systems, Automobile engineering industries, Chemical Plants, Cement Plants, Safety and Security appliance.

### Specifications

- Supply : 10-30 Volts DC
- Output : NPN or PNP type
- O/P Current : 200 mA (Max.)
- No Load Current : 5 - 10 mA approx.
- Drop across switch : Less than 1 Volt
- Switching frequency : 100 Hz., 2KHZ
- Protection : Reverse Polarity and Short Circuit Protection

### Diffuse Scan Sensor



17 x 50 x 55



M18 x 55



M12 x 60

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### Through Scan Sensor



17 x 50 x 55

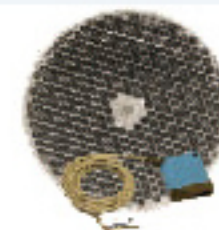


M18 x 75

### Retro-Reflective Sensor



M18 x 55



17 x 50 x 55

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### Fork/Slot Sensor



90 x 70 x 15



60 x 20 x 15



70 x 50 x 15



70 x 50 x 15