

Intelligent Sensors In Automated Processes.

Sai Control System offers you a wide range of high quality **Inductive Proximity Switches**. these are used in all areas of control & automation such as Machine Tools, Packaging, Injection Moulding, Automobile Industries, Process Industries, Textile Industries and other Automated Systems.

Operating Principle

The LC oscillator circuit generates the electromagnetic field over the active face, energy is drawn from oscillator. resulting damping of the oscillator. This Change is detected by the electronic circuit to give output signal.

Advantages

- Non Contact Operation • Corrosion Resistance
- High Operating Frequency • IP 67 Grade of Protection
- Bounce Free Operation • Repeat accuracy ± 0.02 mm
- Vibration Resistance • Long Life

Enclosure

Proximity Switches are available in Tubular shape made of BRASS , S.S., M.S. Other odd Shape Switches or as per customer requirement can be made available on request.

Operating Temperature

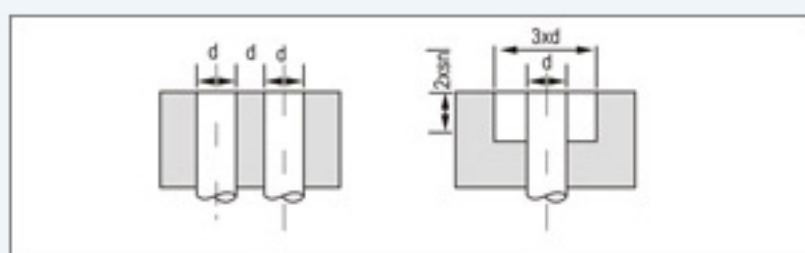
Operating Temperature of Proximity Switches is 0 c to 55 c. 0 Temperature up to 100 c can be manufactured on request.

Protection

AC Switches are protected against transients and surges. DC Switches are protected against Short Circuit and Reverse Polarity.

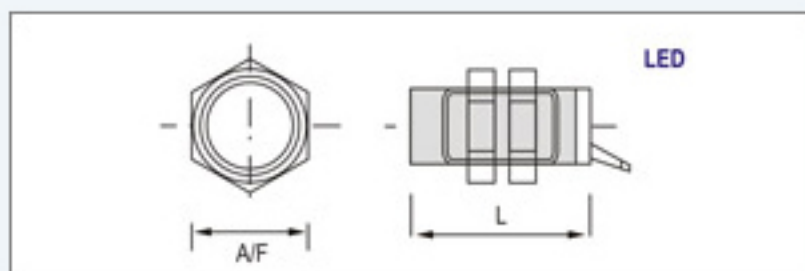
Mounting

In case of Flush Mounting the sensing distance is limited to 0.8 times of the sensing distance for Non Flush Type.



Tubular Switches : Enclosure Type

Size	12	18	24	30	36	50
DC	50	70	65	70	70	65
AC	80	70	70	70	70	65



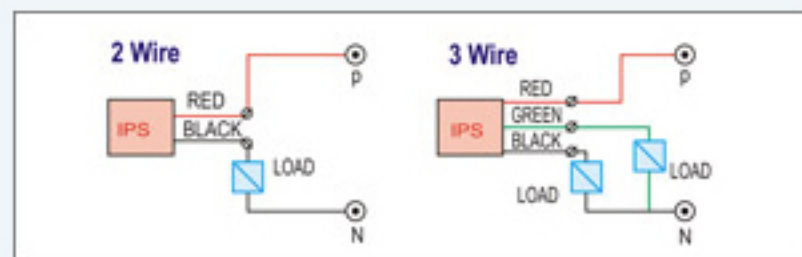
Miniature Sensors

Our miniature sensors with short circuit protection M 8 x 30 mm & M 12 x 30 mm with LED Indication

Types of Inductive Proximity Switches

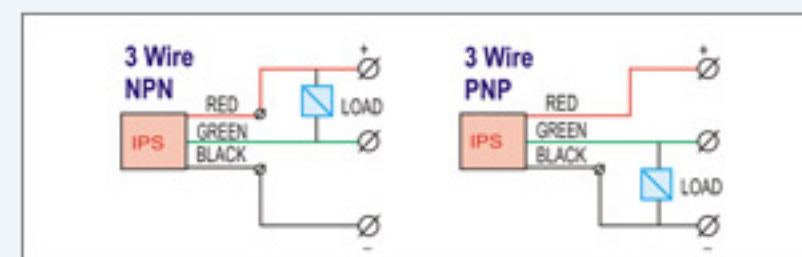
AC Proximity Switches - Type PS 12

These are available in 2 wire and 3 wire as shown. These switches are to be connected in series with the load. Operating Voltage : 110VAC/240VAC/90-240VAC Logic : NO/ NC/CO Load : up to 500 MA



DC Proximity Switches - Type PS 13

These are available in 3 wires as shown. Special models of 2 wires and 4 wires are available on request. Operating Voltage : 5V to 30V DC (up to 220V DC on request) Logic : NPN / PNP Load : up to 400 MA



Dimensional & Technical Specification

Size mm	Sensing distance in mm		Load Current in ma	
	Flush	Non Flush	For AC	For DC
Ø 6.5	1	-	-	250
M8	1.5	2	-	250
M12	2.5	3.5	-	250
M18	5	7	250	250
M30	10	7	400	250
M36	15	18	400	250
M50	15	20	400	250
M80	30	35	-	400
17 x 17 x 36	7		-	250
20 x 20 x 38	7		-	250
26 x 12 x 40	3.5		-	250
40 x 40 x 112.5	13	20	400	400

