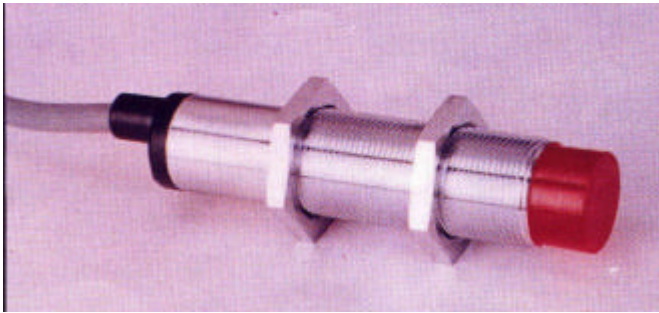


# INDUCTIVE PROXIMITY SENSORS

## DC TYPE (2 WIRE VERSION)

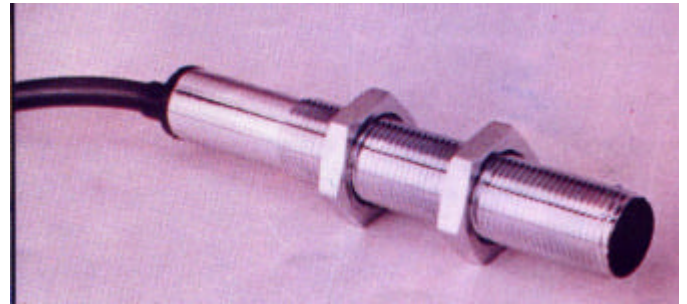


These Sensors are designed to work as solid-state DC limit switches. The Sensors are connected directly in series with a load and have a bridge rectifier so they are not polarity conscious. The circuit design is such that, when in off state, it allows very small current to flow through the load. However, a output load (such as relay) should be chosen, considering the voltage drop across the switch in the ON state. These sensors find wide application in electric control circuits and PLC's.

### SPECIFICATIONS:

Supply Voltage (nominal)	:10-60V DC
Voltage Drop across the Switch	: Less than 6.8V
Maximum Load Current (Continuous)	: 100 mA
OFF State Current	:less than 1 mA
Operating Temperature	: -25°C to +70°C
Hysteresis	: 15% max.
Switching Frequency	: 5 Hz typical
Output Logic	: NO or NC
Environmental Protection	: IP 67
Status Indication	: Through LED

## AC TYPE (2 WIRE VERSION)



These Sensors are designed to provide better alternative to conventional limit Switches / micro switches. These are epoxy potted similar to other types of sensors to render IP67 protection and hence are suitable even in underwater applications. The load (Contactor / A.C. relay / Solenoid Coil) is to be connected in series with the switch.

### SPECIFICATIONS:

Supply Voltage (nominal)	: 20-250 VAC
Supply Frequency	: 45 - 65 Hz
Load Current	: 500 mA max.
Leakage Current	: 2.3 mA typical
Voltage Drop Across the Switch	: 6-8V..
Maximum Inrush Current	: 6A;t <:10ms:f<5
Minimum Load Current	: 5 mA
Hysteresis	: 10% typical
Repeatability	: 1% typical
Temperature Drift	: 5% typical
Switch ON effect suppression	: Provided
Output Logic	: NO or NC or NO+NC*
Status Indication	:Through LED

\* In sizes M30 & above.

### FLUSH

### NON FLUSH

Ø1	L1	L2	L	Sn	Ø1	Ø2	L1	L2	L3	L	Sn
18	55	20	75	5	18	16	45	20	10	75	8
25	50	20	70	8	25	23	50	20	10	80	10
30	50	20	70	10	30	28	35	20	15	70	15
36	60	20	80	15	36	33	35	20	25	80	20
50	40	20	60	20	50	46	40	20	20	80	25

### FLUSH

### NON FLUSH

Ø1	L1	L2	L	Sn	Ø1	Ø2	L1	L2	L3	L	Sn
12	55	20	75	2	12	10	45	20	5	70	4
18	55	20	75	5	18	16	45	20	10	75	8
25	50	20	70	8	25	23	50	20	10	80	10
30	50	20	70	10	30	28	35	20	15	70	15
36	60	20	80	15	36	33	35	20	25	80	20
50	40	20	60	20	50	46	40	20	20	80	25

