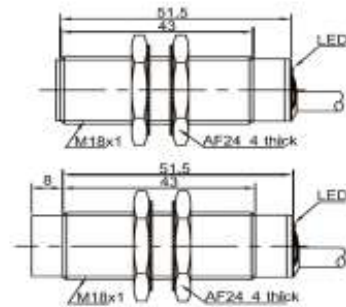# SENSOR
SHOP BD

Techsense Bangladesh Ltd

Proximity Sensor, Code : LR18XBN08DPO

A proximity sensor is a sensor able to detect the presence of nearby objects without any physical contact. An inductive proximity sensor is a type of non-contact electronic proximity sensor that is used to detect the position of metal objects. The sensing range of an inductive switch is dependent on the type of metal being detected. Ferrous metals, such as iron and steel, allow for a longer sensing range, while nonferrous metals, such as aluminum and copper, can reduce the sensing range by up to 60 percent. Since the output of an inductive sensor has two possible states, an inductive sensor is sometimes referred to as an inductive proximity switch.

General Attributes

- ■ Mounting : None Flash
- ■ Sensing range : 8mm
- ■ Power supply : 10…30VDC
- ■ Output : PNP NO
- ■ Repeat accuracy : <3%
- ■ Load current : <200mA
- ■ Residual voltage : <2.5VDC
- ■ Consumption current : <15mA
- ■ Indicator : Yellow LED
- ■ Ambient temp. : -25…70℃
- ■ Ambient RH : 35-95%
- ■ Frequency [Hz] : 800 Hz
- ■ Protection degree : IP67
- ■ Housing material : Nickel-copper Alloy
- ■ Connection : PVC Cable 2m

Application Notes

Position Detection
Speed Sensing
Limit Switching
Pulse Generation
Distance Measurement
Gear tooth detection for motion monitoring
Valve position control during processing
Foil seal detection inside plastic caps
Can position detection on a beverage line

Wiring Diagram

For further information please visit : https://goo.gl/9UfNP7

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