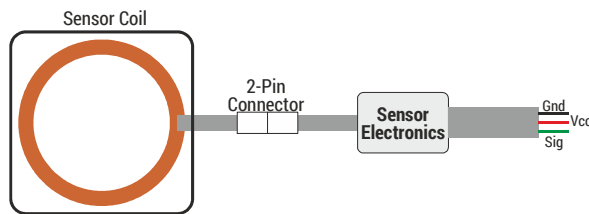


Description

Coil based proximity sensors are popular because they can be easily made and sensitive to magnetic fields. These sensor are very rugged IP compliant and suited for use in Industrial or Amusement Park or Outdoor Environments.

Features

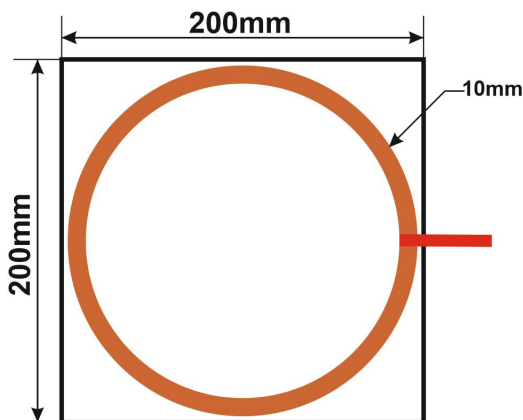
- These sensor are ranges up to 8 to 10 inches
- Designed for outdoor area
- Contactless Magnetic Sensing
- Industrial grade Sensor, Designed for Industrial Applications



Picture 1: Block Diagram of the Magnetic Proximity Sensor

| Wire | Min | Level |
|-------|--------------|------------|
| Black | Ground | 0V (Gnd) |
| Red | Supply (Vcc) | 24V Supply |
| Green | Signal | 24V/0V |

Mechanical Information

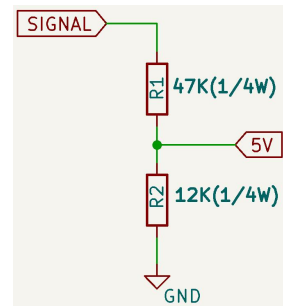


Rugged ,outdoor ,IP compliant Proximity Sensor

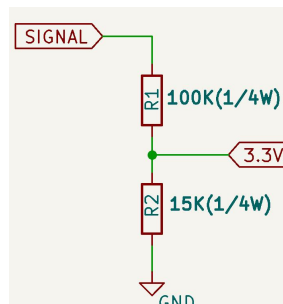
Electrical Characteristics

| Parameter | Min | Typ | Max | |
|-----------------------|-----|-----|-----|------|
| Supply Voltage | 3.3 | 24 | 28 | V |
| Operating Temperature | -25 | | +85 | °C |
| Current Consumption | | | 10 | mA |
| Magnet Trigger Range | 1 | 7 | 10 | inch |

Schematic to Convert 24V Signal from Sensor to 5V



Schematic to Convert 24V Signal from Sensor to 3.3V

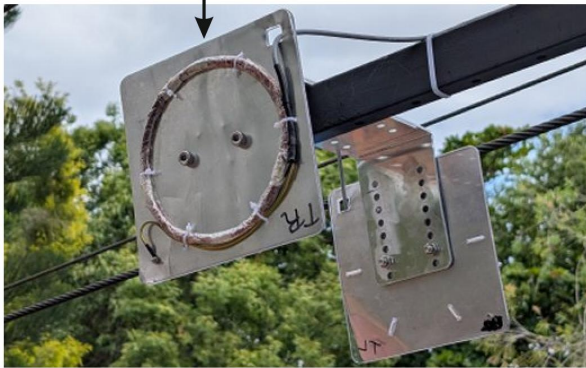


Target Area

- Industrial Automation.
- Safety cut off in Industrial systems
- Amusement park ride safety, ropeway applications etc.

Usage Application

Proximity sensor installed at field



- This proximity sensor are use in ropeway applications at an amusement park. Sensors at both end detect if ropeway reaches top or bottom
- Further details [External Link](#)