



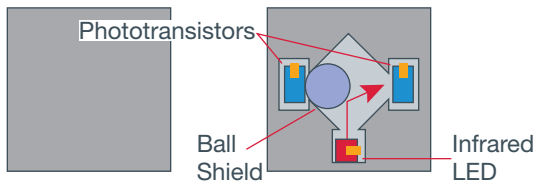
RPI-1031

4-way Tilt Sensor

ROHM offers the standard RPI-1031 optical sensor that detects movement in 90° intervals using an in-house infrared LED, 2 phototransistors and light blocking mechanism.

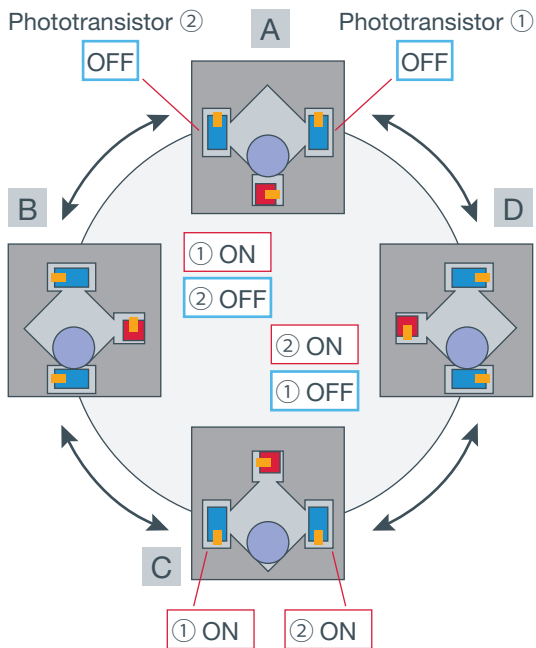
A novel architecture is utilized for silent operation eliminating the need for soundproofing while increasing design flexibility. In addition, optical sensors are not susceptible to vibration or magnetic fields as are mechanical and magnetic 4-way sensors respectively resulting in greater reliability.

Internal Configuration



One infrared LED and two phototransistors are used to detect orientation in 4 directions.

Operating Principle



Key Features

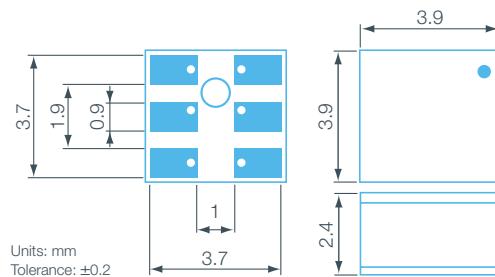
- Detects movement in 4 directions
- Not susceptible to vibration (unlike mechanical sensors)
- Not affected by magnetic fields (unlike magnetic/Hall effect sensors)
- Compact surface mount package

Applications

- Mobile phones
- TVs
- Digital cameras/camcorders

Pricing

Quantity per reel: 3,000 pieces
Price: \$0.66
Samples: Available now



More info

http://www.rohm.com/products/opto_device/sensor/4_direction/rpi-1031/

