



Proxwitch Capacitive Sensors

The Tempatron Proxwitch capacitive sensors are designed to detect the presence of a very wide range of materials such as grain, feedstuff, plastic pellets and liquids. They will sense metallic and non-metallic objects at a distance of up to 25mm depending on material being sensed, with the output relay energising upon detection. They have a high hysteresis, adjustable low sensitivity and are sealed to IP67, making them ideal for operation in dusty or dirty environments.

The PXW-3 has a built in time delay, adjustable from 4 seconds to 10 minutes, which is useful in tank filling applications to avoid frequent pump motor restarts. They are available in 24Vac/dc, 110Vac and 230Vac versions and have a fully isolated 5 Amp rated single pole changeover relay output contact and an LED to indicate relay status.

Models Available

PXW-2 Proximity Sensor Without Delay

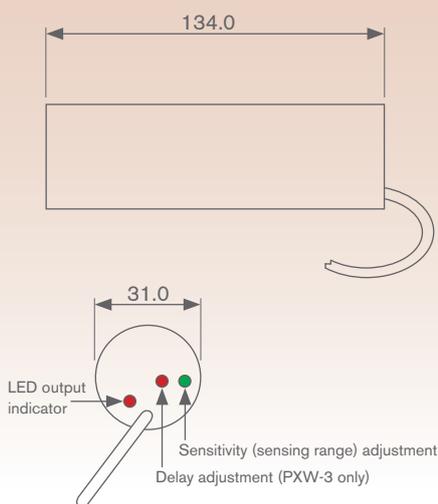
PXW-3 Proximity Sensor With Delay

Product Features

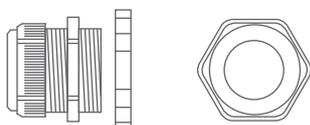
- Senses a wide range of materials
- Suitable for dusty/dirty environments
- Rugged enclosure protected to IP67
- Mounts with a standard PG36 gland
- Isolated changeover relay contacts
- 5 Amp rated relay contacts
- 24Vac/dc, 110Vac or 230Vac powered
- Available with or without time delay

For detection of a wide range of metallic and non-metallic materials

Dimensions



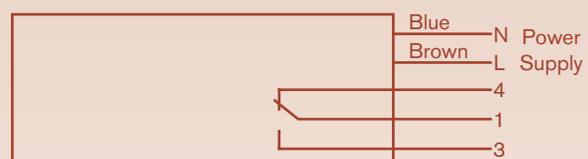
PG36 Mounting Gland (Included)



Hole cutout 47mm diameter

All dimensions in mm

Connections



Note: Relay contact shown in 'material sensed' position

Ordering information

Model	Code	Description
	PXW-2	Proxwitch Capacitive Sensor without Delay
	PXW-3	Proxwitch Capacitive Sensor with Delay

Supply Voltage	Code	Description
	24	24Vac/dc
	110	110Vac
	230	230Vac

Example	PXW-2-230
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Specification**Power Supply Voltages:**

- 24Vac/dc, 110Vac or 230Vac

Supply Voltage Variation:

- $\pm 10\%$

Frequency:

- 50/60Hz

Burden:

- <1VA

Relay Output:

- Single pole changeover contact

Contact Rating:

- 5A at 240Vac/30Vdc (resistive)

Cable Length:

- 1.5m

Sensing Range:

- 25mm (material dependent)

Switching Delay:

- PXW-2: 0.5 seconds approximately
- PXW-3: 4 seconds to 10 minutes

Operating Temperature:

- -10°C to 55°C

Storage Temperature:

- -10°C to 70°C

Enclosure Code:

- ABS enclosure sealed to IP67

Weight:

- 450g

Markings:

- CE marked (meets EN61010-1 low voltage and EN50081-1/50082-1 EMC directives)

Specification subject to change without notice.

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TEMPATRON

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