



# INDUCTIVE PROXIMITY SENSOR

**Approved for explosive atmospheres:**  
ATEX and IECEX zones 20, 21 & 22 for dust

**Application:**

- Detects the presence or absence of metal target
- Used for sensing the speed of machinery, guard gate positions and other similar applications

**Features:**

- 24-240V AC/DC multi voltage power supply
- 2 and 4 wire versions available
- IP 65 rated
- M30 x 1.5 ISO threaded polycarbonate body
- Red and green LED's showing output state
- ≤12mm detection range



**Part numbers:**

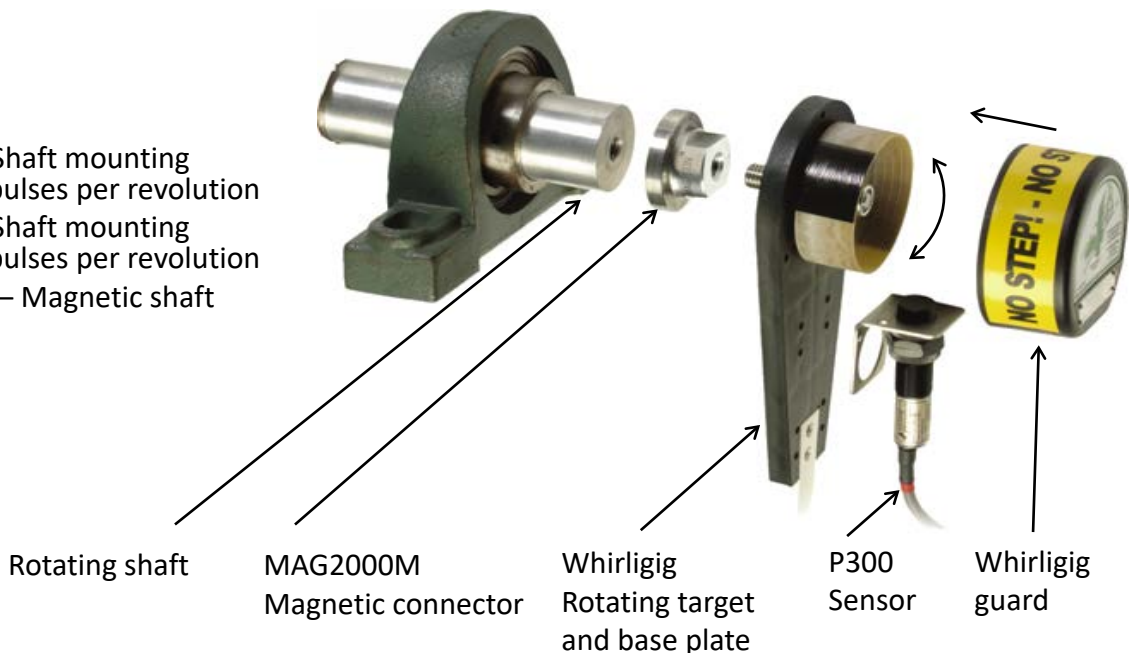
- **P3001V10AI** – Normally closed output
- **P3002V10AI** – Normally open output
- **P3001V34AI** – Normally open or closed selectable output. Opto-isolated transistor output

**P300 Inductive Sensor**

Shown with optional Whirligig and Mag-Con

**Options:**

- **WG4A-BR** – Shaft mounting assembly, 4 pulses per revolution
- **WG2A-BR** – Shaft mounting assembly, 2 pulses per revolution
- **MAG2000M** – Magnetic shaft connector



Please refer to instruction manual for correct installation. Information subject to change or correction. March 2018

Detailed specification, wiring diagrams and installation/operating instructions available upon request.



## TECHNICAL SPECIFICATIONS

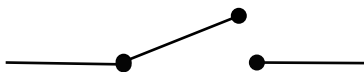
Model	P3001V10AI	P3002V10AI	P3001V34AI
Power supply	24-240 VAC/VDC	24-240 VAC/VDC	10-30 VDC
Output	Normally closed N/C	Normally open N/O	Either N/C or N/O
Number of wires	2	2	4
Voltage drop	8V max	8V max	Nil
Detection range	≤ 12 mm	≤ 12 mm	≤ 12 mm
Maximum detection frequency	12,000 PPM / 200 Hz	12,000 PPM / 200 Hz	12,000 PPM / 200 Hz
Maximum current	100 mA	100 mA	100 mA
Operating temperature range	-15°C to +50°C	-15°C to +50°C	-15°C to +50°C
Certificates and approvals	ATEX and IECEx Zone 20	ATEX and IECEx Zone 20	ATEX and IECEx Zone 20
Protection	IP65	IP65	IP65

## OUTPUT MODES EXPLAINED

### P3001V10AI

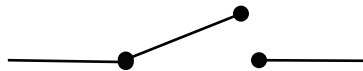


Normally closed

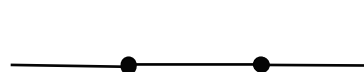


Opens when target is seen

### P3002V10AI

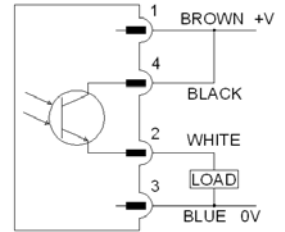


Normally open

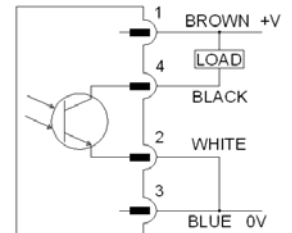


Closes when target is seen

### P3001V34AI



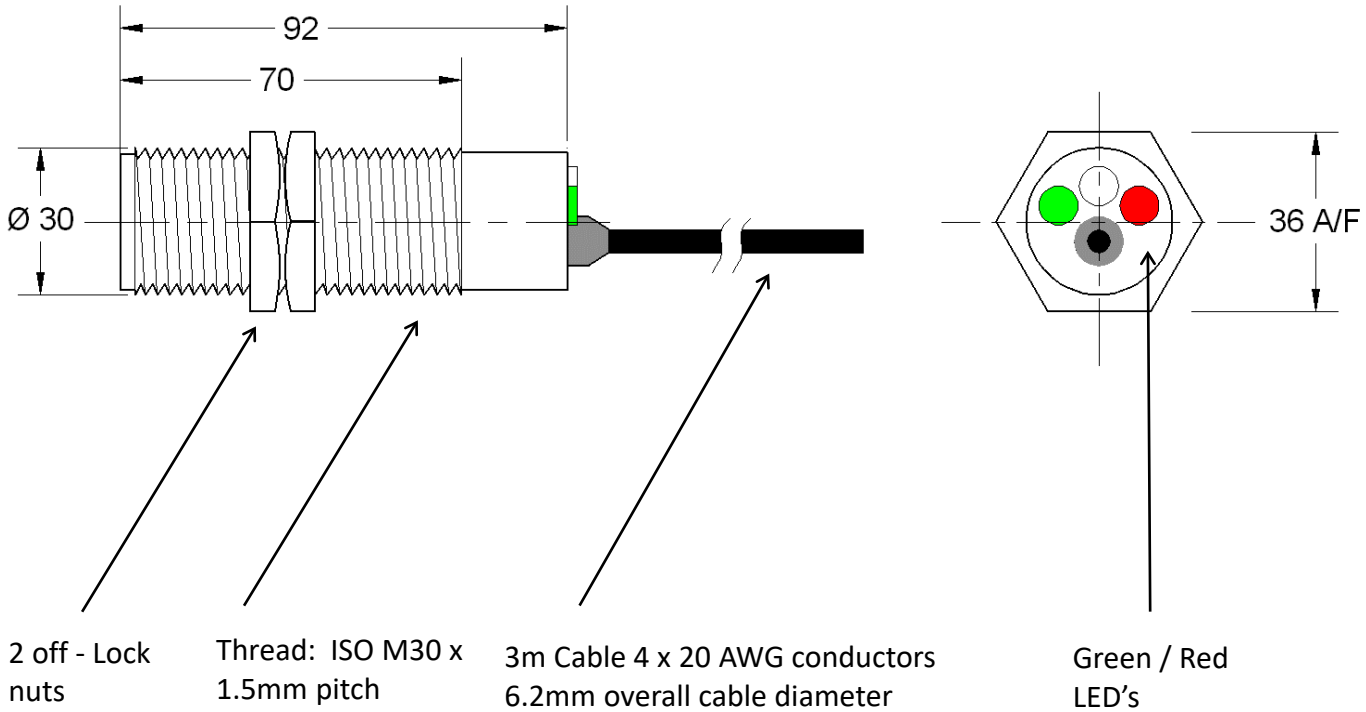
Normally closed



Normally open



DIMENSIONS



Note: All dimensions are given in mm.