

INDUCTIVE PROXIMITY SENSOR

18 mm Diameter

**ATEX approved zone 20, 21 & 22 for
dust areas and zone 2 for gas areas**

ATEX EX II 2G 1D EE x m IIB T4 T 100°C



APPLICATION

To signal position of equipment in rotating shafts on conveyors, elevators and other mechanical assemblies. May also be used as a pulse generator for speed detection, etc.

CHARACTERISTICS

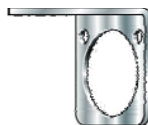
- Threaded body for mounting and adjustment
- No physical contact with target/object
- Visual indication of output state by LED indication
- 8 mm detection range
- Protected to IP 65

2 & 4 WIRE VERSIONS

- **2 wire** - Multi voltage supply **24-240V ac/dc**, N/O or N/C versions , not polarity sensitive
- **4 wire** - Supply **10-30 Vdc**, PNP or NPN output, N/O or N/C selected by polarity

OPTIONS

WGB1830 : Stainless steel mounting bracket for 18 mm dia.or 30mm dia.cylindrical sensors



Whirligig: Target wheel ATEX approved

- WG1A-BR:** 1 Pulse per revolution
- WG2A-BR:** 2 Pulse per revolution
- WG4A-BR:** 4 Pulse per revolution
- WG8A-BR:** 8 Pulse per revolution



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

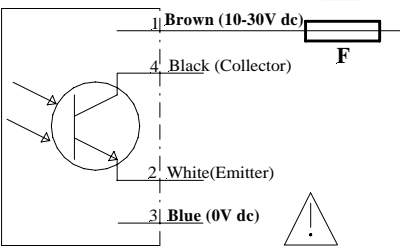
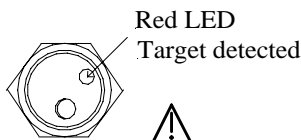
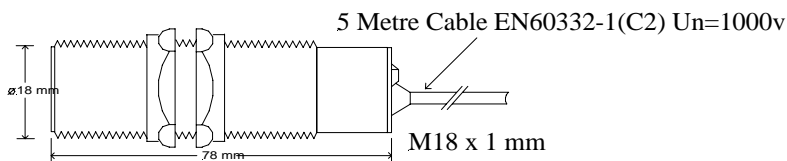
P1001V10A
P1002V10A
P100V34A } ATEX Zone 20

P1001V10AG
P1002V10AG
P100V34AG } ATEX **GAS** Zone 2G



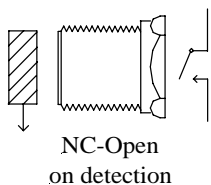
SPECIFICATION			
Type	P1001V10A	P1002V10A	P1001V34A
Supply	24-240V ac/dc		10-30V dc
Output	NC	NO	NC/NO Selected by polarity
Cable	5 m x 2 wires		5 m x 4 wires
Max. Frequency	100Hz DC. 25 HZ AC		200HZ
Sensitivity	Detection range up to 8mm		
Volt drop	8V max		
Temperature	-15°C to + 50°C		
Min.current	1mA		1mA
Protection	IP 65		
Switching capacity	200mA		100mA 30V dc
Enclosure	Moulded polycarbonate-ISO M18 X 1 mm		
Approvals	EX II 2G 1D EE x m IIB T4 T100°C		
LED	Red:Target detected		

DIMENSIONS

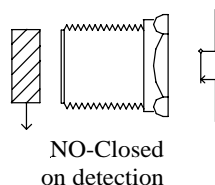


NOTE: F = 1500A Capable fuse (500mA max.rating) 1fuse per unit MUST be used only to gas hasardous area.

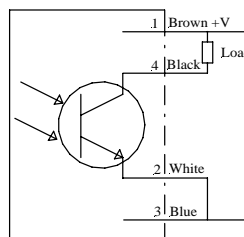
OUTPUT MODES



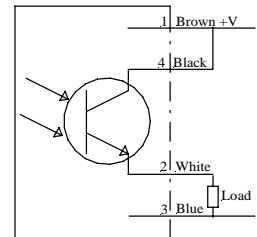
P1001V10A



P1002V10A



npn



pnp

P1001V34A

Please refer to instruction manual for correct installation.
Information subject to change or correction. June 2006.