

# INDUCTIVE PROXIMITY DETECTOR

## 18 mm Diameter

**ATEX approved zone 20, 21 & 22 for  
dust areas and zone 1 and 2 for gas  
areas**

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



### APPLICATION

To signal position of equipment in 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
- 8 mm detection range
- Protected to IP 65

### 2 & 4 WIRE VERSIONS

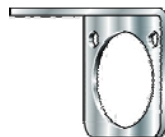
- **2 wire** - Multi voltage supply **24-240V ac/dc**, N/O or N/C versions , not polarity sensitive
- **4 wire** - Supply **10-30 Vdc**, PNP or NPN output, N/O or N/C selected by polarity

**P1001V10A  
P1002V10A  
P1001V34A**



### OPTIONS

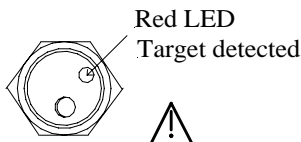
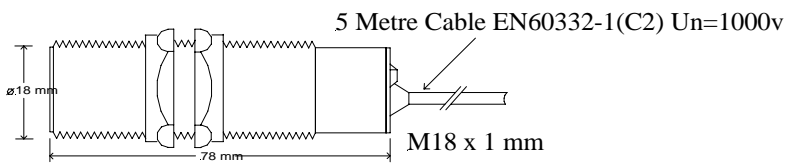
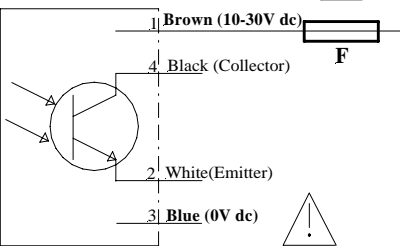
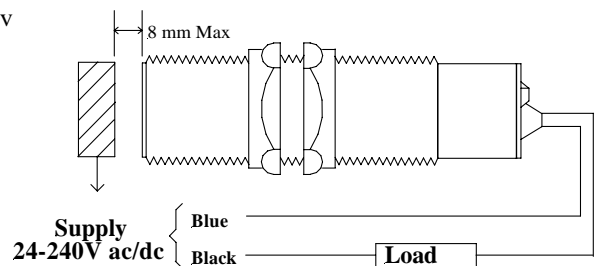
WGB1830 : Stainless steel mounting bracket  
for 18 mm dia.or 30mm dia.cylindrical sensors



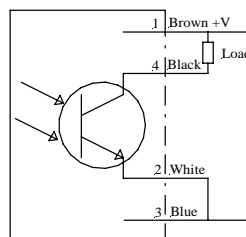
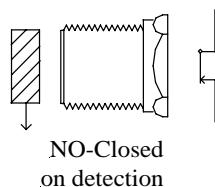
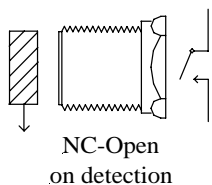
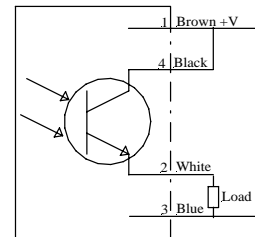
Detailed specification, wiring diagrams and installation/operating instructions available immediately upon request.

**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**

**CONNECTIONS**


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

**OUTPUT MODES**

**npn**

**pnp**
**P1001V10A**
**P1002V10A**
**P1001V34A**

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