

PROXIMITY SENSOR RANGE

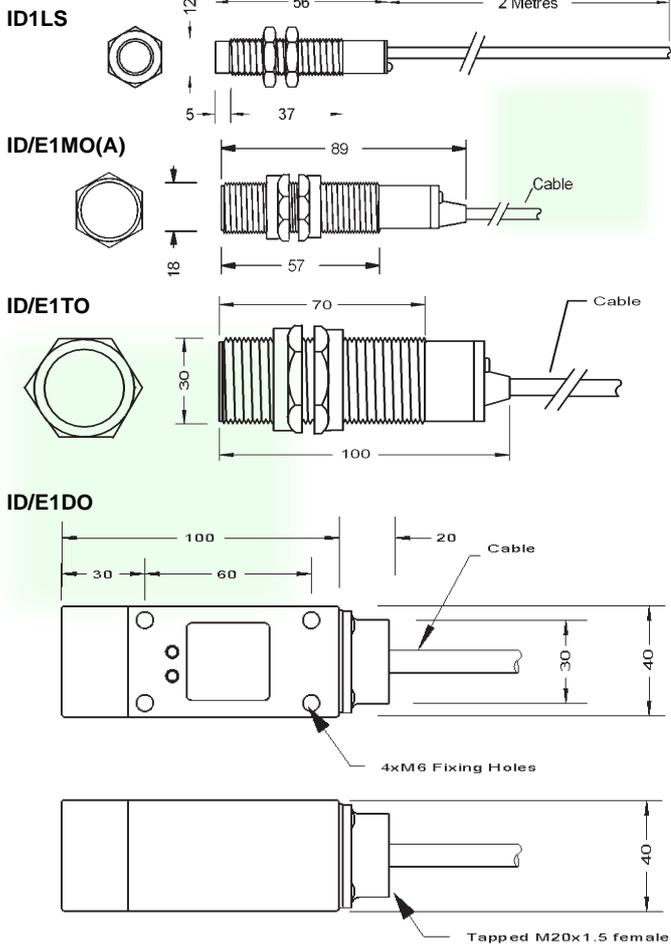
Synatel manufacture a range of proximity sensors, both inductive and capacitive, in a variety of enclosures ranging from a 12mm diameter dc type upto a 40mm DIN standard limit switch style; multivoltage with relay output. Units are available with ATEX and IEC Ex certification.

DC INDUCTIVE SENSORS

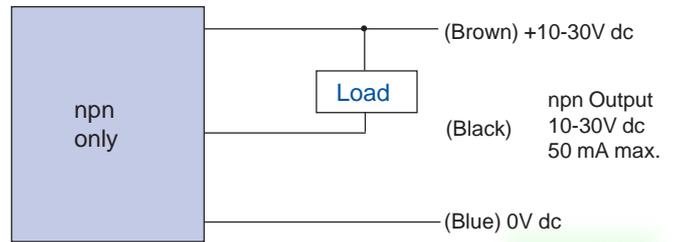
Consists of 12, 18, 30mm dia. plus DIN standard limit switch style. All units work from 10-30V dc supplies and provide transistor output for signalling/control purposes.



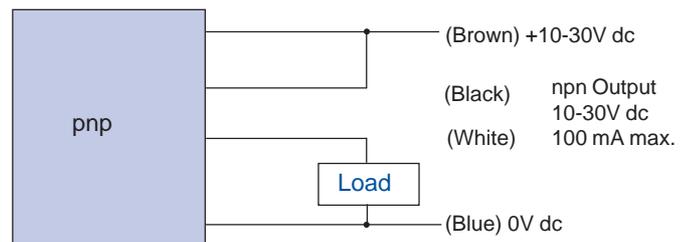
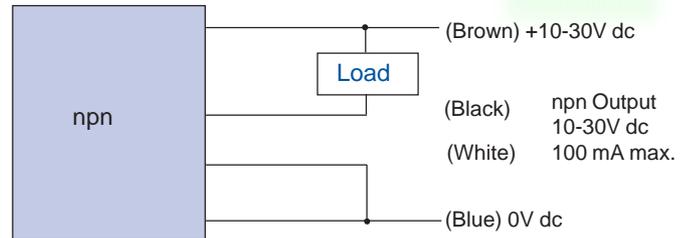
Dimensions



ID1LS



ID/E1MO(A) - ID/E1TO - UD1DO



With 4 wire units **connected as shown above**, output will be **ON** when unit is **sensing**. For **output OFF** when **sensing**, reverse supply wires (only).

ID/E1MO(A) ATEX category: ⓂII 1D (Zone 20).
 ID/E1MO(AG) ATEX category: ⓂII 2G 1D EEx m IIB (Zone 0/20).

Sensor attachment accessory available (Whirligig).
 Targets are fully protected, no further guarding required.
 See Speed Monitoring Catalogue (Section 3), for details.

SPECIFICATION - GENERAL

	ID1LS (12mm)	ID/E1MO(A) (18mm)	ID/E1TO(A) (30mm)	ID/E1DO (Limit Switch)
Supply	10-30V dc.			
Output	npn transistor.	Fully opto-isolated transistor, reverse and overvoltage protected. npn/pnp configureable.		
Output Rating	30V 50mA max.	30V 100ma Max.		
Output State	Normally OFF.	User selectable.		
Operating Range	4mm	8mm	12mm	
Hysteresis	15% of Operating range.			
Ambient Temp.	-15°C to +50°C.			
IP Rating	IP65.			
Number of cores	3	4 (2 cores connect together to give npn or pnp connection).		
Weight	75g	260g	300g	325g

Note: ID/E1MO(A) is also available with Gas Hazard approval -unit becomes ID/E1MO(AG). Suitable for gas group 2B.
 Supply **must** be fused (see manual supplied with unit). All other details are as stated above.