

PROXIMITY SENSORS

CAPACITIVE PROXIMITY SENSORS



- Non toxic, anti static coatings
- Wide operating temperature range
- Delayed switching versions
- Sensing range up to 35mm
- Adjustable sensitivity
- Mechanically robust

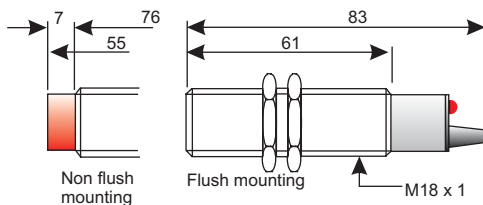
These sensors contain an oscillator which is influenced by the change in capacitance when a solid or liquid comes into contact with the sensing head. The level at which the sensor output switches can be set with the sensitivity adjustment making them suitable for a variety of materials such as water, wood, metal, powders etc. They are available in 3 sizes - M18, M30 and M40 with DC, AC/DC and relay output versions.

SPECIFICATION

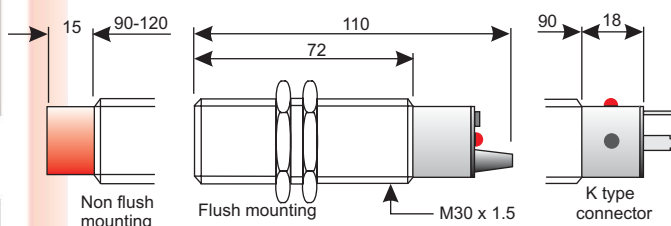
Body material : Ni plated Brass or non-toxic plastic
 Output : Selectable NPN/PNP, NO or NC or c/o relay
 Supply voltage : Version C : 10 - 30Vdc & 10 - 55Vdc
 Version A : 20 - 250Vac/dc
 Version R : 18 - 40Vdc & 18 - 240Vac 50/60Hz
 Max sensing distance : SC18 : flush 5mm, non flush 10mm
 SC30 : flush 20mm, non flush 25mm
 SC40 : non flush only 35mm
 Adjustable delay : 1 to 15 minutes (SC40 only)
 Switching frequency : 10 Hz
 Repeatability : M18 : <0.5mm; M30 <1mm; M40 : <2mm
 Cable length : 2 metres

DIMENSIONS

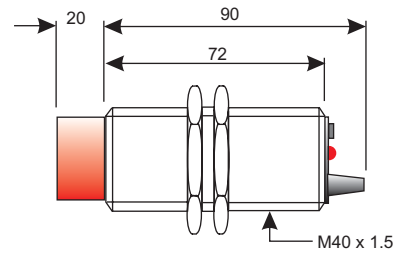
M18 types



M30 types



M40 types

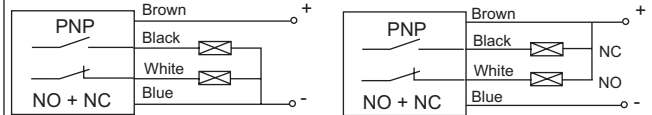


Time delay SC40 versions TE/TD

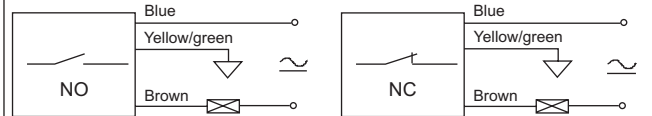


CONNECTION DIAGRAMS

Version C



Version A



Version R



Part Numbering Options : SC A - B C D E F G

Option	Description	Values
A	Sensor diameter	mm 18 30 40
B	Housing material	Ni plated Brass Plastic M P
C	Version	2 wire ac/dc 4 wire dc Relay o/p A C R
D	Mounting	Flush Non flush - E
E	Sensing distance	mm
F	Output	See connection diagrams Delayed switching NPN NO+NC PNP NO+NC NO NC NO/NC Selectable TE/TD NO/NC
G	Connection	Cable K1 connector - K1

STANDARD ITEMS

Because of the large number of product options available, please contact our sales office so that we can provide a sensor to meet your exact requirements.