

PROXIMITY ,PHOTOCELL , ROTATION CONTROL AND LEVEL CONTROL

INDUCTIVE



These are electronic transducers which produce an output signal when a metallic object (steel, aluminium, copper, brass etc) enters into their sensing area from any direction without coming into contact.

- Cylindrical series 4-5-6.5-8-12-14-18-30 mm.
- Rectangular series dim:
8x8x40 - 10x16x28 - 12x26x40 - 17x17x30
-40x40x113 - 80x80x50 mm.
- Sensing distances from 1 ÷ 50 mm.
- NAMUR types from 5 ÷ 24 Vdc
- NAMUR EX types

CAPACITIVE



These are electronic transducers which provide an output signal when any type of material (Wood, metal plastic, granular and powder product) comes into their sensing area without coming into contact.

- Cylindrical series 18 - 30 - 40 mm dia.
- Totally screened and partially screened version
- Adjustable sensing distance
- Amplified 4 wire types NPN or PNP, NO+NC from 10 ÷ 55 Vdc
- Amplified 2 wire types from 20 ÷ 250 Vac/dc
- Relay output type with 1 pole changeover 1A ÷ 220 Vac
- Supply voltage 18 ÷ 50 Vdc / 18 ÷ 240 Vac

MAGNETIC



These are made of a reed switch, which can be switched by a magnet.

There is no mechanical movement and the contacts are protected and hermetically enclosed in a glass bulb which contains inert gasses, mechanical and electrical deterioration is therefore kept to minimum.

The standard version is supplied with open, closed and changeover contacts.

- SMC cylindrical series is available with threaded metallic housing for 6-8-10-12-18 mm. dia. and smooth 12 mm is available with threaded 9PG.
- SMP series is available with plastic or metallic rectangular housing

PHOTOELECTRIC



These are infrared electronic transducers which supply an output signal when an object of any type of material passes into their range. Types available: Thru Beam (B), reflection with reflector (R) polarised reflection with reflector (AR) and direct reflection (P). Available in the cable or in the H plug version for M12 connector. The short circuit protection is incorporated.

- FT18 SERIES: threaded plastic housing 18x1 mm. dia.
- Supply voltage: 10 ÷ 30 Vdc, 20 ÷ 250 Vac
- Led incorporated
- Programmable output PNP or NPN antiphase NO+NC
- Max. output current 200 mA
- Output MOSFET, NO/NC programmable, max. output current

ROTATION CONTROL



This unit is used for checking for the slowing down of rotating units due to the slipping of belts of clutches, fracture of transport belts or chains or as a motor protection in the case of mechanical overload.

This control is carried out by the CRTP controller which is made up of an electronic circuit which is enclosed in a plastic container which has an undecal plug and a sensor which can be inductive, capacitive or photoelectric.

- Power supply 24-110/220 Vac 50/60 Hz
- Relay output 1 pole changeover 5A to 220 Vac
- Led incorporated

LEVEL CONTROL



These are used where it is necessary to control with a high degree of security the level of non conductive substances both liquid and solid.

They are particularly used for controlling the level in silos for cereals and foodstuffs, in feed plants, foundries and cement works.

They function in the vicinity of the material to be controlled.

- Supply voltage 24 Vac or 110/220 Vac
- Relay output with 1 pole changeover from 5A to 220 Vac.
- Led incorporated