



CAPACITIVE SENSORS

Capacitive sensors detect the presence of any object into the sensible area. They have a higher sensitivity detecting metal objects or materials with a high content of water which have a high dielectric constant.

WORKING PRINCIPLE

An electrostatic field is generated in the sensible area. When an object gets in the sensing area changing its capacitive value, the oscillator stage starts oscillating, creating a commutation of the output stages. It's possible to adjust the sensing distance of capacitive sensors operating on the potentiometer placed on the back plastic cap or laterally in the connector versions. The factory regulation is the maximum value of the range declared on the catalogue.