

DELAYED PROGRAMMABLE CAPACITIVE SENSOR SC30P-RE25T TYPE



SPECIFICATIONS

This proximity sensor belongs to the capacitive sensor family, it supplies a signal to the external load which can be delayed up to 10 min. when any material solid or liquid (water, glass, wood, metal, coffee, powders etc.) come into the sensing area, it is used principally as a level control.

This model is completely programmable regarding the delay in energization and de-energization with open or closed output, the sensor does in fact contain a 1A 220V changeover relay.

Due to its versatility, programmability and high power output compared to a normal electronic sensor, the stocking of product for the wholesaler is simplified as is the adaptability of the switch to any application.

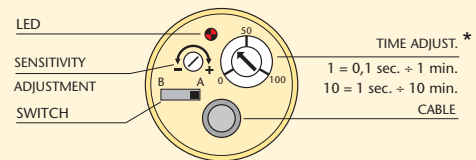
This sensor can be used with the protection housing SCM-R which is of POM and therefore satisfies the most severe abrasion resistance requirements.

When used as a level control, this housing allows for the sensor to be substituted whenever required.

TECHNICAL CHARACTERISTICS

Switching distance Sn adjustable	mm	0 ÷ 25
Multivoltage power supply	V	18 ÷ 50 Vdc 18÷240 Vac (50÷60 Hz)
Hysteresis (%Sn)	mm	Depending on Sn
Max. switching frequency	Hz	Depending on delay
Repeatability (at a constant temper.)	mm	< 1
Max. output current	mA	Changeover 1 A - 220 Vac
Absorption (relay activated)	mA	20
LED		Incorporated
Temperature limit	°C	-20 ÷ +70
IP rating	IP	65
Standard range of delay	min.	1 - 10 (on request higher)
Housing		Plastic (Makrolon)
Cable PVC	2 m	5 x 0,35 mm ²
Protection housing		Possible mounting

BACK VIEW



* The 100 on the time regulation trimmer scale corresponds to the full scale of the time range of the sensor.

PROGRAMMABLE FUNCTION TABLE

FUNCTION	SWITCH POS.	RELAY OUTPUT WIRES COLOUR
TE NO	B	Red / Black
TE NC	A	Red / Black
TD NO	A	Red / White
TD NC	B	Red / White

PROGRAMMABLE FUNCTIONS

FUNCTION TE NO - delay on energization N.O. contact.

In the absence of material the sensor has an open contact. When the material enters the sensing area, the delay set starts. At the end of this time the contact closes. When the material leaves the sensing area, the contact opens instantaneously.

FUNCTION TE NC - delay on energization N.C. contact.

In the absence of material the contact of the sensor is closed. When material enters the sensing area, the contact opens. When material leaves the area, the delay set starts, after which the contact closes.

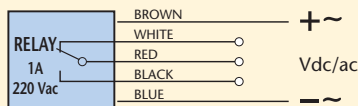
FUNCTION TD NO - delay on de-energization N.O. contact.

In the absence of material the contact of the sensor is open. When material enters the sensing area, the contact closes. When material leaves the area, the delay set starts, after which the contact opens.

FUNCTION TD NC - delay on de-energization N.C. contact.

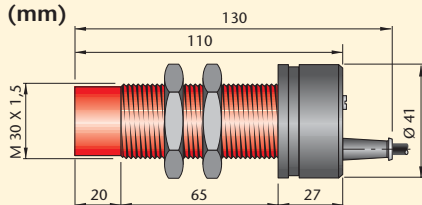
In the absence of material the contact of the sensor is closed. When material enters the sensing area, the delay set starts, after which the contact opens. When material leaves the area, the contact closes instantaneously.

WIRING DIAGRAM

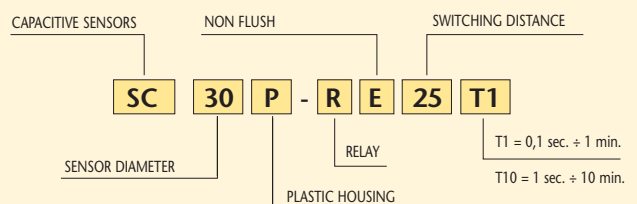


Multivoltage power supply 18÷50 Vdc / 18÷240 Vac.

DIMENSIONS (mm)



IDENTIFICATION REFERENCE



N.B.: Upon request cable for sensors with different lengths 3.5 - 5 - 7.5 - 10 metres is available.

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