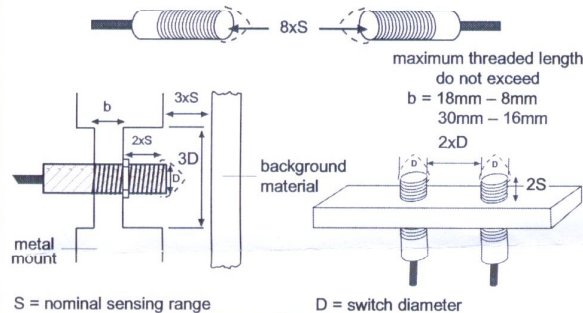


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Position Sensing



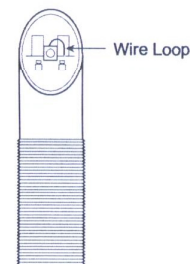
Normally Closed Sensor Adjustment

All capacitive switches have a potentiometer which allows switch sensitivity to be adjusted for the best results. To establish the proper sensitivity for a particular set of target conditions, follow these procedures.

- 1) Mount the switch in the application. Set up the worst case condition which can cause a false "OFF" signal. As an example assume the switch is being used to sense the level of a liquid through a sight glass. The worst case condition exists when moisture is present on the inside surface of the glass. Turn the potentiometer clockwise (CW) until the LED is OFF, then turn the potentiometer counterclockwise (CCW) until it just turns ON.
- 2) Bring the target into position. In the example, bring the water above the level of the switch. The LED should be OFF. Turn the potentiometer CCW and count the number of turns until the LED turns ON.
- 3) Turn the potentiometer CW for 1/2 the number of turns counted in step 2. For example, if it took 4 turns to have the LED go ON, now turn the potentiometer 2 turns CW. The switch will now be set.

Normally Open / Normally Closed Programming

- 1) Loosen screw with a screwdriver.
- 2) Separate the black rear of the switch from the orange front of the switch.
- 3) This product is manufactured normally open. To convert the switch to normally closed operation, cut the wire loop
- 4) To return to normally open operation, solder the wire loop together.
- 5) Reattach the black rear of the switch to the orange front of the switch and tighten screw.



Electrical



DO NOT operate a proximity sensor directly from a voltage supply without a load. This is considered a short circuit and can cause damage.