

Installation Instructions for Sensor : RT17 FS / RT161 FS

General Installation instructions

- Connect the Sensor Unit (SU) to the Control Box (CB) with 2W electric cable or shielded cable grounded in one of its edges (to prevent inductive interferences).
- The distance between the CB to the SU is unlimited.
- The SU connection will be done in the manner of:
 1. Blue – Blue
 2. Brown – Brown
- If the SU is exposed to falling stones/rocks, it is necessary to protect it with a cover.

Installation Instructions to SU type NCO – for Non conductive material

Adjust the SU before the permanent installation:

1. Fill the metal or plastic bucket (according the type of the vessel that the SU will be installed) with the relevant material.
2. Connect the SU to the CB as needed (except model INT).
3. Turn on the power supply.
4. The optimal operation is: when the feeler of the SU is dipped in the material $\frac{1}{2}$ "- $\frac{3}{4}$ " of its length, the relay will be energized.
5. With a screwdriver, rotate the adjustment screw anticlockwise, until the red LED in the CB is turned on (if it doesn't turn on, use item no. 2 in the trouble shooting).
6. Turn the adjustment screw clockwise, until the red LED on the CB will turn off.
7. Take the SU out of the material – the LED will be turned on. When entering, it will turn off.
8. To avoid occasional operation, don't adjust the sensitivity to a point where the relay will be operated only with light contact of the SU in the material. The SU probe should be covered.
9. The SU is adjusted now.
10. After adjusting the SU, permanently install it in the required location, and connect the cover of the SU with a screwdriver.

Trouble Shooting

1. The CB LED's are not lighting: Verify that power connections of the CB are properly connected according to drawing.
2. The red LED of the CB is permanently off:
 - 2.1 Verify that the SU is connected according to instructions.
 - 2.2 Verify that there isn't any contact between the wall of the vessel to the probe of the SU .

- 2.3 Adjust the SU appropriate (according items 5 & 6 of the instructions).
3. Contact vendor/supplier/manufacturer.