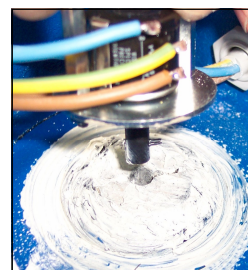


## Pro.Sis.Tel. Rotators potentiometer replacement instruction.

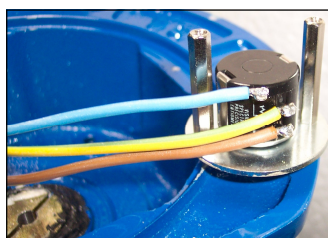
Put the rotator upside down and than unscrew the screws that hold the basement disc cover. Pull up the disc and you will have the potentiometer in front of you.



Pull out the potentiometer, take care to write the wires coulors before disconnecting them and than replace it with a new one (Burns 3590S-2-103 or Spectrol Mod. 536 10K 10turns or similar).

If you use a non original potentiometer, getting it on the market, you need to drill a 2mm hole across the potentiometer shaft about 5mm from the shaft end.

Take out from the old potentiometer the shaft key pin and fit it in the new potentiometer key hole. Make sure that the key pin doesn't play or sweep, in the potentiometer shaft hole.



### Potentiometer connections

Yellow-green = Pot. ground lead (pin 5)  
Blue = central/mobile lead (pin 3)  
Brown = +5Vdc Pot. lead (pin 4)

Before to fit the new potentiometer in place, rotate his shaft starting from the ground lead for 7 turns. This will help when connecting the controller having the rotator in the operational range or closer than it. After than the new pot is in place, using a digital multimeter, check the potentiometer resistance from the rotator connector, they should be closer than the valoues showed in the resistance chart.

Making 1 Kohm por turn, knowing the resistance between pins 3-5 you will know where the pot is and how many turns he has to do before to reach the operational range (within about 6.5-7.5K)

Put the disc cover in place, finding first the central holes, put the central screws in, without tight them, than rotate the disc finding the external holes, put the screws in without tight them.

Put the rotator up side up and connect it to a controller, power on the controller in "absolute", if the display show 00.0 than means that the potentiometr is positioned below the operational range, pusching CW it will rotate in CW sense, till reaching the operational range, than the counting will start on the display. Stop it on 25.0. Power off, revers the rotator tightneting all screws. Check again the resistance now they should be as in the chart. Rotator is ready.



### Potentiometer resistance chart:

Pin 4-5 = 10K  
Pin 3-4 = about 3K  
Pin 3-5 = about 7K

Those valoues are valid with the rotator on 000 degree.

