

Troubleshooting - AN-1/SAC (Smart Analog Controller)

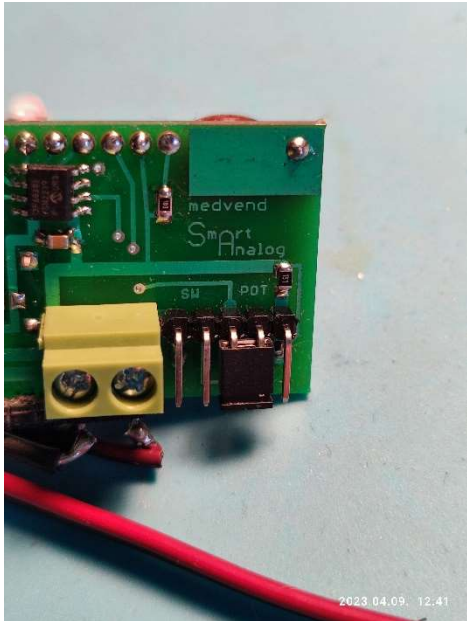
Faulty operation: the locomotive stops unexpectedly for no apparent reason. Even at high speeds, and even if there is no oxide layer or other contamination on the track or wheels.

This problem can be caused by a nearby electromagnetic or electrical noise source that can interfere with the operation of the controller.

Note: This problem can occur only rarely and not at all in the current and future production. There is no such problem with handy controllers.

We recommend two solutions to solve this problem:

Solution 1. - If the jumper is between pins 3-4, as shown in Picture #1, then just simply move the jumper between pins 4-5, as shown in Picture #2. (If extension panel is installed, see solution 2.).
If no jumper at all, take one and insert it between pins 4-5.



Picture #1 – jumper between 3-4 pins



Picture #2 – jumper between 4-5

Solution 2. - the capacitor circled in red in picture #3 is not installed in some controllers. This is an SMD 0805 type 150nF* ceramic capacitor, an inexpensive component that can be found at an electronic parts store. Easy to install if you have some soldering experience.

note*: 150nF-470nF any value is good, (10V or higher)



Picture #3 – capacitor is installed