NCE AutoSwitch version A Notes:

Here is my take on the ver A Auto Switch. It is a disaster and will not do what was intended; that being able to switch the output of the Power Cab from the main track to the program track.

NCE references a DPDT switch shown in the Power Cab manual and claims the AutoSwitch will replace that. Simply not true. The main problem is that the input DCC signal is fed to the NC (normally closed) contacts on the relay; they should go to the C (common) terminals so the signal could be switched between the main and program outputs. The two small jumpers must have been added when they realized the main would never see power.

As Mark Gurries states, “The version A does not meet the low power specs of the NMRA when not in the program function”.

In reviewing the pictures, I think it would be easy to cut some traces and rewire the relay to achieve the ver B function. A provided continuity readings on the traces of the ver A confirm the above statements.

I have created 2 drawings that define the conversions from ver A to ver B. “Auto SW MOD1 A2B” is the simplest and recommended method.

I have some diagrams posted on the site on various hook ups for the Power Cab and AutoSwitch. I also have an article with a 3D printed box for the PCP with the AutoSwitch added inside if you are interested.

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