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January 30, 2025

## PCN EIC-1145\_1 Input Deactivation Control Changes for PBA150

### Detailed Description of Change

Littelfuse IXYS Integrated Circuits Division (ICD) would like to inform you of a change to the data sheet parameter “Input Control Current to Deactivate”, with the addition of an “Input Control Voltage to Deactivate” parameter.

The minimum “Input Control Current to Deactivate” rating is being reduced from 0.4 mA to 0.1 mA. A new parameter, “Input Control Voltage to Deactivate”, is being added to the data sheet with a minimum rating of 0.8 V.

### Reason for Change

To ensure the security of supply for these products, an alternative supplier of the input LED was qualified and put into production. This more efficient LED can maintain the activated state of the Solid State Relays (SSRs) at lower input currents than its predecessor. Reducing the minimum input control current to 0.1 mA guarantees the SSRs will deactivate as expected.

In order to simplify circuit design where the input current cannot be accurately predicted, a secondary deactivation input control parameter is being provided. This supplementary deactivation parameter is based on the voltage applied to the input LED. As stated in the updated data sheets, the minimum voltage applied to the input LED that will sustain operation is 0.8 V.

These changes are effective immediately and will be documented in the updated data sheet on the Littelfuse website.

### Products Affected

PBA150
PBA150S
PBA150STR

The PCN number assigned to this action is **PCN EIC-1145\_1** and must be referenced in any correspondence related to the change.

If you have any other questions or concerns, please contact your local Littelfuse sales representative or Product Manager below for further assistance.

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