



BDX Battery Disconnect

Single and Dual Battery Disconnect Systems

The purpose of this document is to describe the operation of the battery disconnect switch panel for both a dual and single disconnect system. Included is button operations, LED indications and terminology to help with operating the battery disconnect and D/C system. Below are the two switch panel options:



00-01090-000

(Dual Disconnect Switch Panel)



00-01090-100

(Single Disconnect Switch Panel)

Similar to the original single and dual battery disconnect switch panel, our next generation switch panels have a voltage read-out display. This display is used to show the batteries voltage in VDC with a voltage precision of 100 mV. For the single disconnect switch panel there is a single "READ BATTERY" button in the lower left side of the layout. Pushing this button will tell the switch panel to display the voltage of the battery it is connected to. For the dual disconnect switch panel, there are two buttons in the lower left side of the layout. The two buttons are grouped in a "READ" sections and are labeled "AUXILIARY" and "CHASSIS". Pressing either of the buttons will display the respective battery associated to their inputs.

Additionally, the read buttons provide the status of the battery disconnect itself. On the single disconnect switch panel the LED near the "DISCONNECT" text will illuminate red when the battery is disconnected and the LED near the "RECONNECT" text will illuminate green when the battery is connected. The dual disconnect switch panel operates differently. Depending on which read button is pressed, the LED closest to the matching text will either illuminate red when disconnected or green when connected.



On the single disconnect version to perform a “DISCONNECT” or isolation of the loads from the battery, simply press the “DISCONNECT” button.

On the single disconnect version to perform a “RECONNECT” or connection of the loads to the battery, simply press the “RECONNECT” button.

This concept applies to the dual disconnect switch panel except there is two sets of switches. Note, that the “AUXILIARY” controls are on the top and the “CHASSIS” controls are on the bottom. The left set of buttons is used to perform a reconnect and the right set of buttons is used for disconnecting their respected batteries.

Note* There is a build in 5 second delay when switching between the disconnected and connected states of the battery disconnect. This is to prevent constant switch of the battery disconnect state and to help protect the integrity and life of the product.

Available Product Literature and Guides:

Brochure:	53-01090-000
Product Specification:	53-01090-001
User's Guide:	53-01090-100
Installation and Applications:	53-01090-200
Supporting Documents:	53-01090-300

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