

Automatic Transfer Switch Option Emergency Disconnect Switch

Introduction

For equipment that is Microprocessor Controlled and required to be Suitable for Use as Service Entrance Equipment, an Emergency Disconnect (ED) Switch will be installed on the outside of the Automatic Transfer Switch (ATS). This switch provides maintenance personnel with additional protection when servicing the ATS by forcing it to the neutral position.


When the ED switch is activated, the current control unit that is currently closed will be tripped open and the other control unit will be prevented from closing. Once the ED signal is removed and the ATS reset, automatic operation will resume.

Product Features

- Keyed ED Switch Located on Door
- Aux Switch, Bell Alarm and Shunt Trips Included in Both Control Units
- 12 or 24 Vdc Required for Operation (Guarantee's the Operator can Place the ATS in the Neutral Position even when AC Power is Lost)
- Included with all Microprocessor Controlled SE ATS Equipment

Operation Instructions

Follow the instructions below for proper operation of the emergency disconnect. This will place the ATS in the neutral position.

1. Operator must use all required PPE before operating the equipment.
2. Locate the ED key.
3. Insert the ED key into the ED switch and turn the key to the right. This will activate the ATS disconnect feature and place it into the neutral position. The operator should hear the control unit trip open. 
4. Verify that both control units have been tripped open by observing the ATS position lights. Both should be in the open/tripped position.
5. Once the ATS is in the neutral position, the operator may proceed with required maintenance.

Insulated Case Reset Instructions

Instructions to Reset the ATS for Automatic Operation.

1. ATS Operator must use all required PPE.
2. Turn the ED key to the left and remove the key from the ED switch. This will clear the ED signal to the ATS.

Microprocessor Controls

1. On the HMI screen, depress "Enter".
2. The display will read "MAIN MENU / Reset Faults / Troubles".
3. Depress "Enter" again and the display will read "Reset Faults / Troubles Now? No".
4. The word "No" will be underlined.
5. Depress either "↓" and "↑" until "Yes", the desired value, is displayed.
6. Depress "Enter".
7. All faults / troubles will be reset, and the display will show the operating mode again.

Insulated Case Reset Instructions Continued

Electromechanical Controls

1. No Further Action Required.

Molded Case Reset Instructions

Instructions to Physically Reset Control Units after the Emergency Disconnect was Activated

1. ATS Operator must use all required PPE.
2. Turn the ED key to the left and remove the key from the ED switch. This will clear the ED signal to the ATS.
3. Open the ATS enclosure. ATS will be in the Neutral position.
4. Depress the control handle on the Control Unit that was tripped until it is in the "OFF" position. [Solid CLICK sound.]
5. Close the ATS door.

Microprocessor Controls

The following instructions are to be performed using the keypad and HMI screen located on the front of the ATS.

1. Depress "Enter".
2. The display will read "MAIN MENU / Reset Faults / Troubles".
3. Depress "Enter" again and the display will read "Reset Faults / Troubles Now? No".
4. The word "No" will be underlined.
5. Depress either "↓" and "↑" until "Yes", the desired value, is displayed.
6. Depress "Enter".
7. All faults / troubles will be reset, and the display will show the operating mode again.

Electromechanical Controls

1. No Further Action Required.

Order Guide

Part Number Examples:

1. ICFA32000BPSB/SE/ED - Insulated Case ATS, 3 pole, 2000 Amp, 120/208Vac, **24Vdc Microprocessor Controls**, 65kAIC @ 480Vac, NEMA 1 Free Standing Enclosure with Option SE and ED.
2. MCDA30400CESA/32 - Molded Case ATS, 3 pole, 400 Amp, 277/480Vac, **Electromechanical Controls**, 35kAIC @ 480Vac, NEMA 1 Wall Mount Enclosure with Option 32.