

Automatic Transfer Switch Option Remote Disconnect

Introduction

Remote Disconnect, (RD); This option provides a shunt trip input to the transfer switch so that from a remote location either or both of the switches can be tripped and the transfer switch sent to the Fault mode. Customer interconnection can be made at a terminal block.

Product Features

- UL 1008 Listed
- Aux/Bell Alarm Combo Contact Included with Control Units
- 12 or 24 Vdc Shunt Trips Supplied for Remote Control of the Control Units
- Remote Disconnect Customer Connection Point

Standard Operation

When the RD signal is sent to the automatic transfer switch (ATS), both control units will be tripped open. While this signal is present, the ATS will be kept in the neutral position.

Microprocessor Controls, RD

The customer must wire in a normally open contact that they will close when RD operation is required.

See Figure 1 for customer wiring terminals. The input to the Main Control Board is already pre-wired by Lake Shore Electric to terminal blocks 036 and 024.

When the customer contact has been closed, the ATS will be forced off of both power sources and into the neutral position.

When automatic operation is required, remove the RD input from the ATS and follow the appropriate Reset instructions.

RD Reset - Molded Case Control Units

First, remove the RD signal forcing the ATS to the neutral position.

Next, entry into the ATS enclosure is required. Be sure all the appropriate PPE required is being used.

Both units will need to be physically reset. To reset the molded case units, depress the control handle on the normal unit until it is in the "OFF" position. Repeat this for the emergency unit.

Once the control units have been reset, close the enclosure door and follow the RESET instructions to resume automatic operation of the ATS.

Reset - Insulated Case Control Units

Remove the RD signal forcing the ATS to the neutral position. Then follow the RESET instructions to resume automatic operation of the ATS.

RESET Instruction

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.

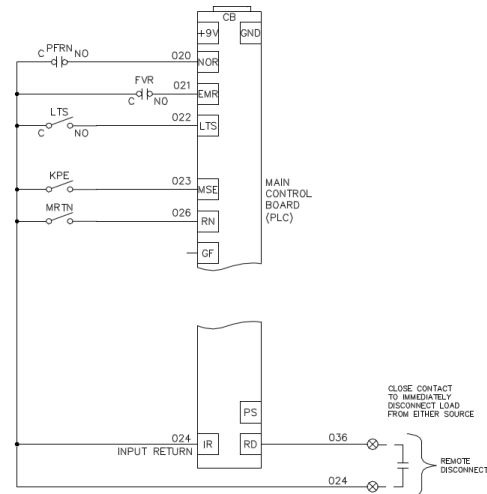


Figure 1

Electromechanical Controls, 30

The customer must wire in 12 or 24Vdc with a control contact to remote trip the control units. See Figure 2 for customer wiring terminals.

30 Reset - Molded Case Control Units

First, remove the RD signal forcing the ATS to the neutral position.

Next, entry into the ATS enclosure is required. Be sure all the appropriate PPE required is being used.

Both units will need to be physically reset. To reset the molded case units, depress the control handle on the normal unit until it is in the "OFF" position. Repeat this for the emergency unit. Once the control units have been reset, the ATS will resume automatic operation.

30 Reset - Insulated Case Control Units

Remove the RD signal forcing the ATS to the neutral position. Once the control units have been reset, the ATS will resume automatic operation.



Figure 2

Order Guide

Part Number Examples:

1. ICFA32000BPSB/RD - Insulated Case ATS, 3 pole, 2000 Amp, 120/208Vac, **24Vdc Microprocessor Controls**, 65kAIC @ 480Vac, NEMA 1 Free Standing Enclosure with Option RD.
2. MCDA30400CESA/30 - Molded Case ATS, 3 pole, 400 Amp, 277/480Vac, **Electromechanical Controls**, 35kAIC @ 480Vac, NEMA 1 Wall Mount Enclosure with Option 30 (Specify Available DC Voltage).