

## Automatic Transfer Switch Option Auxiliary Contact Source Available

### Introduction

This option provides two (2) sets of form “C” Contacts for each source. These contacts will change state dependent on their sources being available and within proper operating parameters required by the ATS.

### Product Description for Microprocessor Controls (Option ACSA)

For this option, the automatic transfer switch (ATS) provides two (2) sets of form “C” Contacts for each source called NOR and EMR.

- **NOR** - Normal Relay - This relay changes state when the normal source power is available. When the normal source power is not available, the contact is in the “de-energized” state.
- **EMR** - Emergency Relay - This relay changes state when the normal unit closes or opens. When the normal unit is open, the contact is in the “de-energized” state.

This contacts provided immediate indication once the source is within operating parameters.

**NOTE:** Depending on other accessories that have been order with the transfer switch, one of the EMR contacts may be used for the transfer switch controls. Please refer to unit specific drawings to determine if only one (1) set of form “C” contacts is available for the emergency source.

This feature is available on all firmware versions for the microprocessor controller.

Reference Figure 1 when connecting into the aux contacts on the Relay Interface Board.

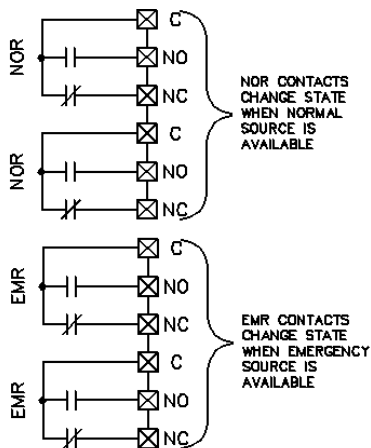


Figure 1

### Product Description for Electromechanical Controls (Option 24J), Available for Automatic or Manual Transfer Switches

For this option, the automatic transfer switch (ATS) provides two (2) sets of form “C” Contacts for each source called NSAR and ESAR.

- **NSAR** - Normal Source Available Relay - This relay changes state when the normal source power is available. When the normal source power is not available, the contact is in the “de-energized” state.
- **ESAR** - Emergency Source Available Relay - This relay changes state when the normal unit closes or opens. When the normal unit is open, the contact is in the “de-energized” state.

This contacts provided immediate indication once the source is within operating parameters.

Reference Figure 2 when connecting into the aux contacts on the Electromechanical Control Panel

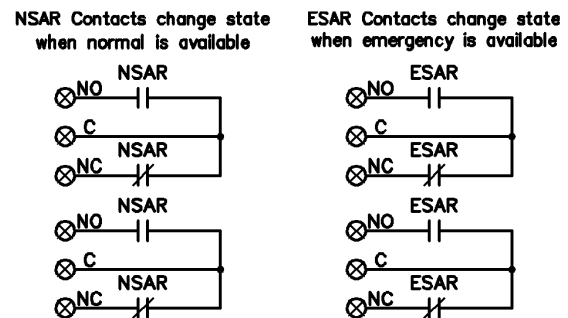


Figure 2

### Order Guide

#### Part Number Examples:

1. ICFA32000BPSB/ACSA - Insulated Case ATS, 3 pole, 2000 Amp, 120/208Vac, **24Vdc Microprocessor Controls**, 65kAIC @ 480Vac, NEMA 1 Free Standing Enclosure with Option ACSA.
2. MCDA30400CESA/24J - Molded Case ATS, 3 pole, 400 Amp, 277/480Vac, **Electromechanical Controls**, 35kAIC @ 480Vac, NEMA 1 Wall Mount Enclosure with Option 24J.
3. MCDM30400CESA/24J - Molded Case MTS, 3 pole, 400 Amp, 277/480Vac, **Manual Transfer Switch**, 35kAIC @ 480Vac, NEMA 1 Wall Mount Enclosure with Option 24J.