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Title: ISM Transition with Wye-Delta Starter  
Category: *GENERAL*                      Termination Date:  
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Models      CAC: 19XR, 19XRT and 23XL with PIC-II controls  
Affected:    BDP:

**Purpose:**

This bulletin provides an explanation of the transition sequence of the ISM when used with a Wye-Delta starter.

**Information:**

IF (Time < 1CR on + 20 sec), IF (T > 1CR on + 2 sec), IF (All line amps <= 90%)  
THEN Transition Relay = ON

In other words, if the starting amps drop to 90% or less from 2 to 20 seconds after 1CR energizes transition is initiated.

ELSE  
IF (All line amps <= 150%)  
THEN Transition Relay = ON

If the amps don't drop to 90% or less in 20 seconds, but are 150% or less, transition is initiated.

This logic allows the transition to proceed as soon as the amps drop off or in 20 seconds, which ever is less. The time is not configurable.

**File:** Controls and Wiring