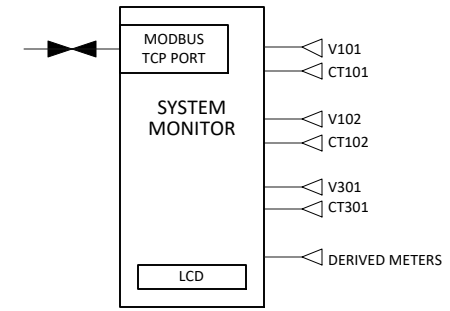
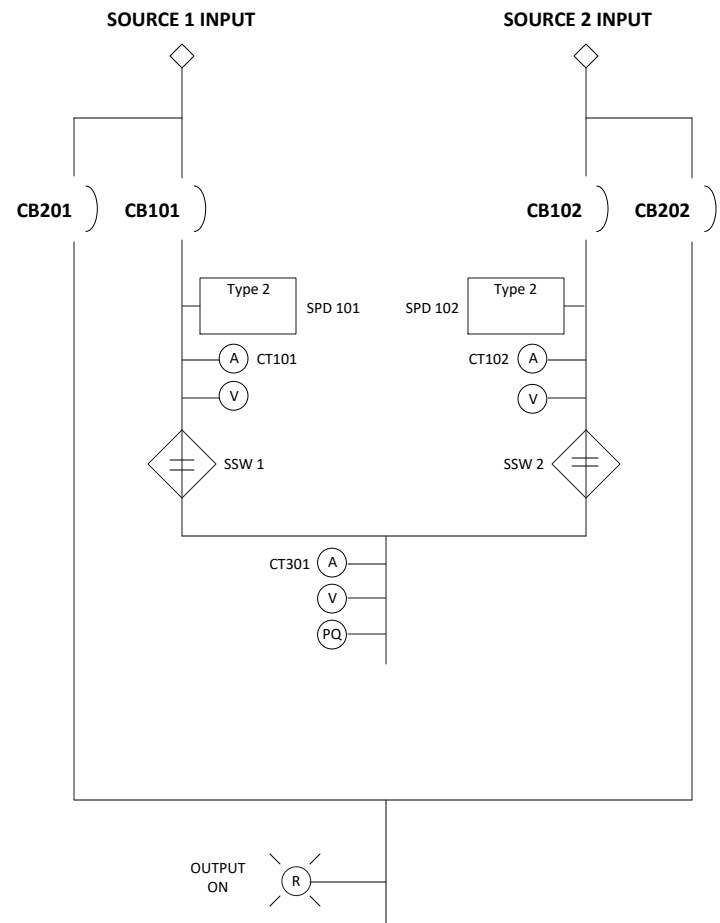


CIRCUIT BREAKER DATA									



NOTE:

REFER TO THE MECHANICAL OUTLINE DRAWING FOR INFORMATION ON THE CUSTOMER CONNECTION TERMINALS.

LEGEND				
(A)	CURRENT METERING POINT			
(V)	VOLTAGE METERING POINT			
(PQ)	POWER QUALITY METERING POINT			

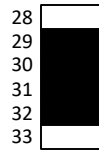
  

			PAGE DESCRIPTION	
			ONE LINE DIAGRAM, eSTS	
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	APPR	DATE	SHEET 1 OF 2	

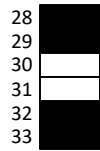
# CUSTOMER INTERFACE BOARD (CIB)

## EXTERNAL CONTROL CONTACTS

S1 EXTERNAL PREFERRED SELECT



S2 EXTERNAL PREFERRED SELECT



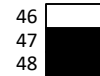
FRONT PANEL PREFERRED SELECT

ANY COMBINATION OTHER THAN THE TWO ABOVE

NORMAL STS OPERATION (NO REMOTE TRANSFER INHIBIT)



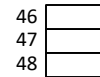
REMOTE TRANSFER INHIBIT COMMAND




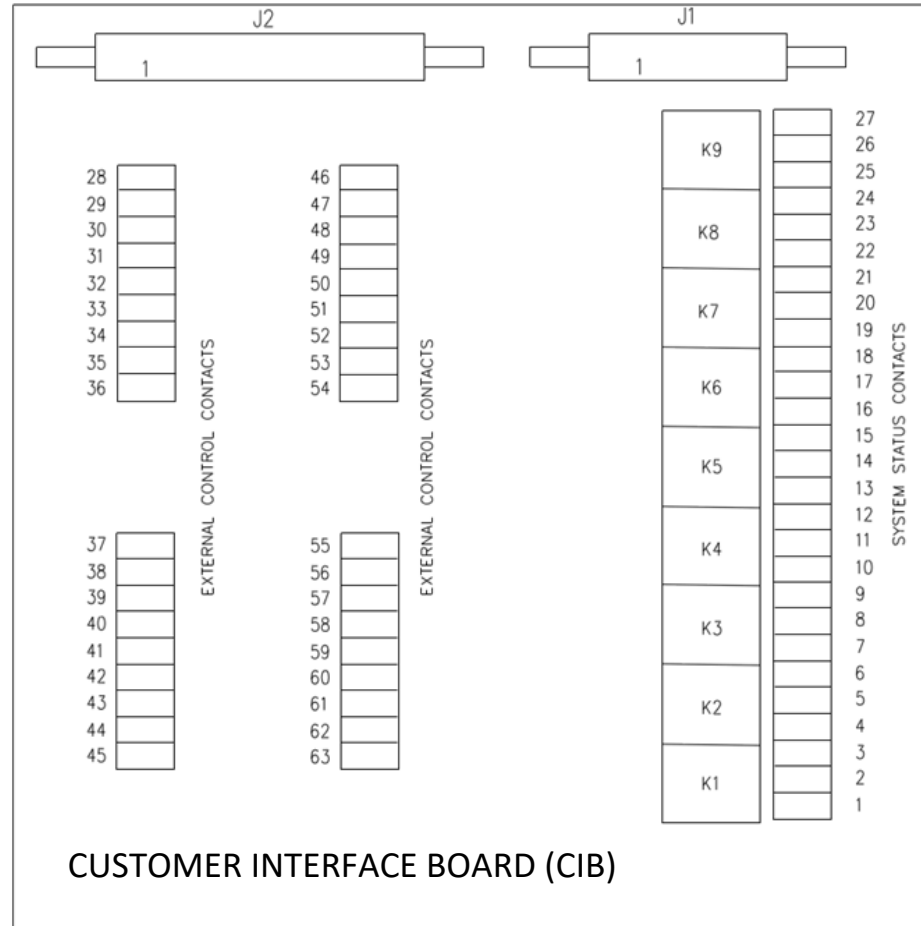
NORMAL STS OPERATION (WITH FORM C ALARM)



NORMAL STS OPERATION (WITH FORM C ALARM)



 SYMBOL FOR CLOSED CONTACTS



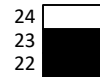
## CUSTOMER INTERFACE BOARD (CIB)

## SYSTEM STATUS CONTACTS

NORMAL STS OPERATION (NO REMOTE TRANSFER INHIBIT)



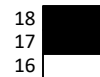
REMOTE TRANSFER INHIBIT COMMAND RECEIVED



SOURCE 2 FAILURE



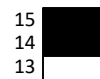
SOURCE 2 AVAILABLE



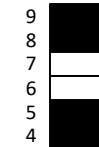
SOURCE 1 FAILURE



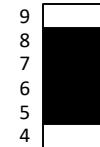
SOURCE 1 AVAILABLE



SOURCE 1 ACTIVE SOURCE



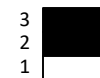
SOURCE 2 ACTIVE SOURCE



SUMMARY ALARM



NO SUMMARY ALARM



### NOTES:


1. TERMINAL NUMBERS REFER TO TERMINALS ON CUSTOMER INTERFACE BOARD (CIB). REFER TO THE MECHANICAL OUTLINE DRAWING FOR EXACT LOCATION OF THE CIB AND CUSTOMER WAN.

2. TERMINALS SUITABLE FOR AWG 20-16 STRANDED COPPER WIRE. MAXIMUM ONE WAY LENGTH FOR #16: 500 ft (152 m).

3. ALL WIRING TO BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE AND ALL LOCAL CODES. CONTROL AND STATUS WIRING MUST BE RUN AND IN SEPARATE CONDUIT FROM POWER WIRING.

4. SYSTEM STATUS OUTPUTS ARE DRY, POTENTIAL-FREE CONTACTS. CUSTOMER REQUIREMENTS ARE AS FOLLOWS:  
 a. Circuit voltage  $V < 250$  V AC with current  $I < 12$  A RMS, power factor = 1.0.  
 b. Circuit voltage  $V < 200$  V DC with current  $I < 0.4$  A.

5. SYSTEM CONTROL INPUTS READ COMMANDS FROM EXTERNAL CONTACTS. CUSTOMER REQUIREMENTS ARE AS FOLLOWS:  
 a. Dry, potential-free contacts.  
 b. Form C  
 c. Contacts are to be capable of switching 24 V DC at 5 mA  $< I < 10$  mA.

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			ONE LINE DIAGRAM, eSTS	
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