

MAIN POWER POLES

TS OPERATOR CIRCUIT

EMERGENCY

NORMAL

LOAD

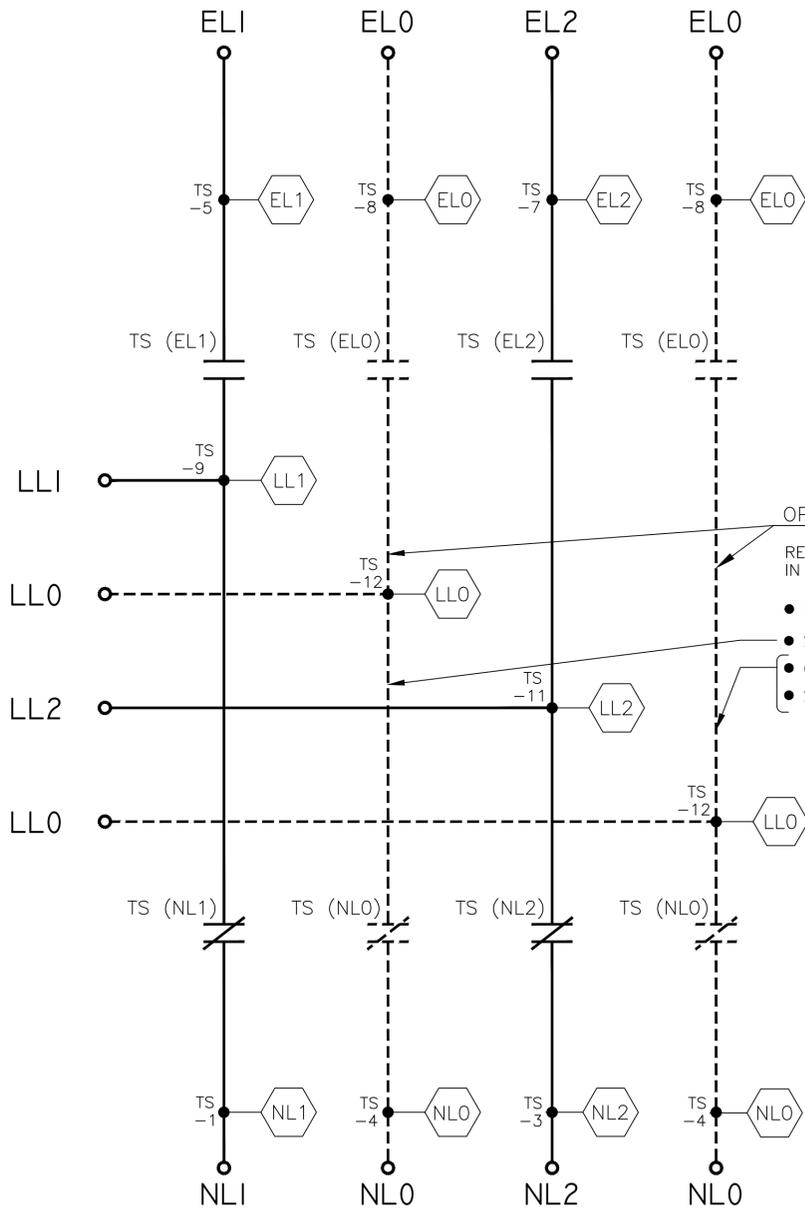
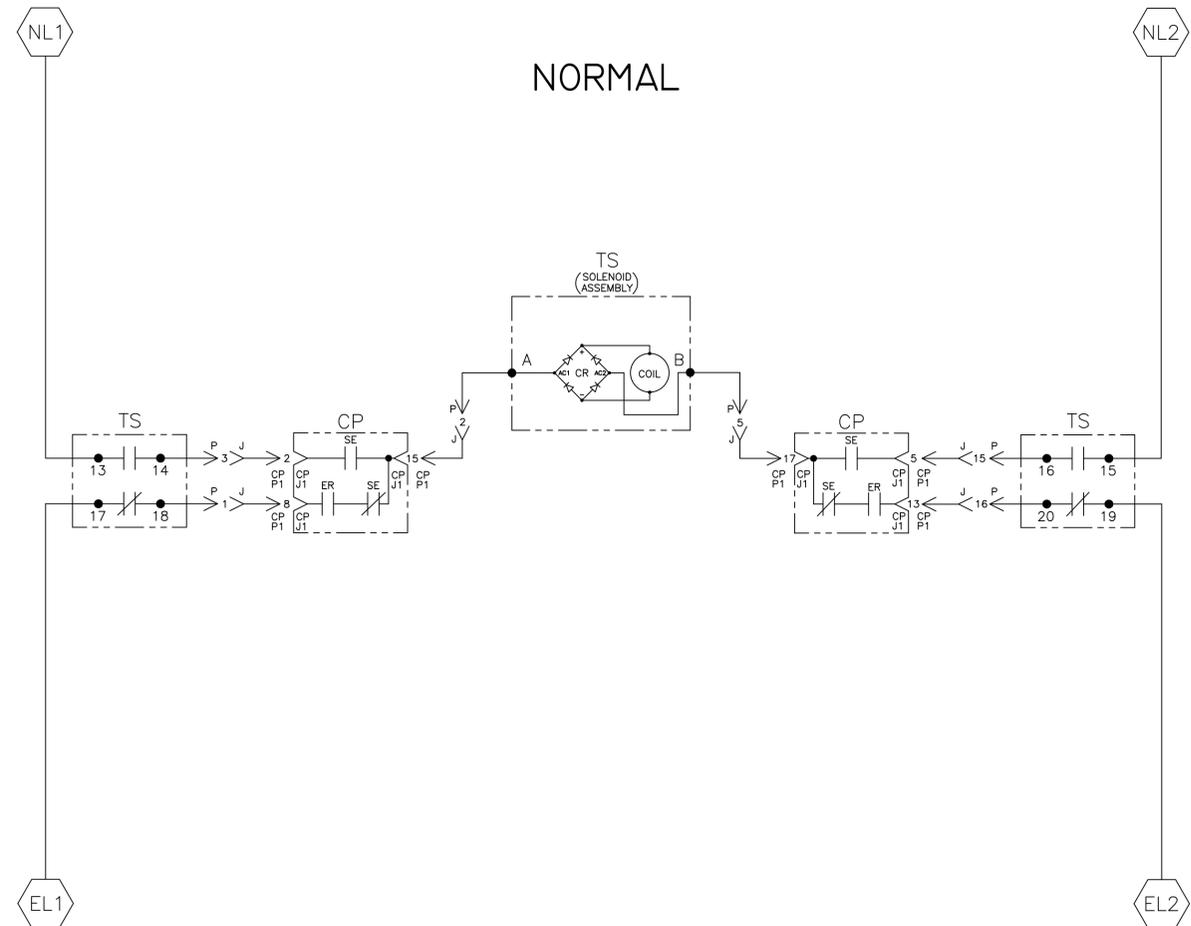
EMERGENCY

NORMAL

NOTE:
ATS SHOWN CLOSED ON NORMAL SOURCE.

OPTIONAL NEUTRAL TYPES
REFER TO "EXPLANATION OF CATALOG NUMBER CODES"
IN CATALOG NUMBER CHART ON SHEET 1.

- NONE
- SWITCHING CONTACTS
- OVERLAPPING CONTACTS
- SOLID BUS PLATE



TS	SOLENOID POSITION			
	CLOSED BEFORE NORMAL	BEFORE TDC	BEFORE CLOSED <TDC	EMERG
13-14				
15-16				
17-18				
19-20				

TDC (TOP DEAD CENTER)
TRANSFER SWITCH TEST & ADJUSTMENT PROCEDURE
SPECIFIES CONTROL CUT-OFF (CONTACT OPENING)
SETTING.

PROJECT NAME:		REV. TO SHEET	ECN NO.	BY	APP.	DATE
WIRING DIAGRAM						
SERIES H300 ATS 1PH 600-1200 AMPS						
"H" FRAME, GROUP 1 CONTROLS						
DRAWN BY	BWM	DATE	4/01	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-005.	ASSEM. REF. NO.	COMPUTER GENERATED DRAWING
CHECKED	BK	4/10/01		PROPERTY OF ASCO POWER TECHNOLOGIES, USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.		SCALE NONE SIZE DS
PROJECT APPROVAL						DWG. NO. 717500
FINAL APPROVAL	WK	4/10/01				DRAWING K ECN NO. 278704 SHEET 2 OF 4

K	278704	TR	BK	05/09/19
J	234078	BK	BK	10/07/11
H	213532	WK	BK	06/04/07
G	203916	TR	BK	03/29/05
F	167603	BK	BK	07/22/04
E	167217	SDH	SDH	06/04/04
D	166704	BWM	WK	03/31/04
C	164762	BWM	WK	9/03
B	161046	BWM	SDH	6/02
A	157813	BWM	WK	5/24/01
-	157352	BWM	WK	4/01

WIRE RUN LISTING

1 HARNESS LOCATOR			
WIRE No.	(P) MAIN TS	CLR	AWG
1	P-1,TS-18		16
2	P-2,TS-A		
3	P-3,TS-14		
4	P-4,TS-3		
4	TS-3,TS-15		
5	P-5,TS-B		
6	P-6,TS-7		
6	TS-7,TS-19		
7	P-7,TS-5		
7	TS-5,TS-17		
8	P-8,TS-24		
8	TS-24,TB-1		
9	P-9,TS-25		
9	TS-25,TB-2		
10	P-10,TS-21		
11	P-11,TS-2		
12	P-12,TS-1		
12	TS-1,TS-13		
13	P-13,TS-22		
14	P-14,TS-23		
15	P-15,TS-16		
16	P-16,TS-20		
17	P-17,TB-3		
18	P-18,TS-6		
19	P-19,TS-9		
20	P-20,TS-10		
21	P-21,TS-11		
22	P-22,TS-4		
23	P-23,TS-8		
24	P-24,TS-12		
25	TS-27,TB-4		
26	TS-28,TB-5		
27	TS-29,TB-6		
DEAD END WIRES			
11	P-11,TS-2		
18	P-18,TS-6		
20	P-20,TS-10		

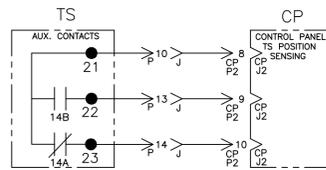
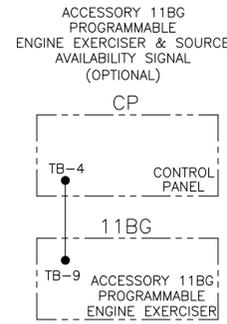
2 HARNESS LOCATOR			
WIRE No.	(J, P1, P2) TS-CP HARNESS	CLR	AWG
1	J-1,CP-P1-8		16
2	J-2,CP-P1-15		
3	J-3,CP-P1-2		
4	J-4,CP-P1-4		
5	J-5,CP-P1-17		
6	J-6,CP-P1-12		
7	J-7,CP-P1-7		
8	J-8,CP-P2-2		
9	J-9,CP-P2-3		
10	J-10,CP-P2-8		
11	J-11,CP-P1-10		
12	J-12,CP-P1-1		
13	J-13,CP-P2-9		
14	J-14,CP-P2-10		
15	J-15,CP-P1-5		
16	J-16,CP-P1-13		
17	J-17,CP-P2-1		
18	J-18,CP-P1-14		

OPTIONAL ACCESSORIES

3 HARNESS LOCATOR			
WIRE No.	OPTIONAL ACC. 11BG CKTS.	CLR	AWG
28	CP-TB-4,11BG-TB-9		16

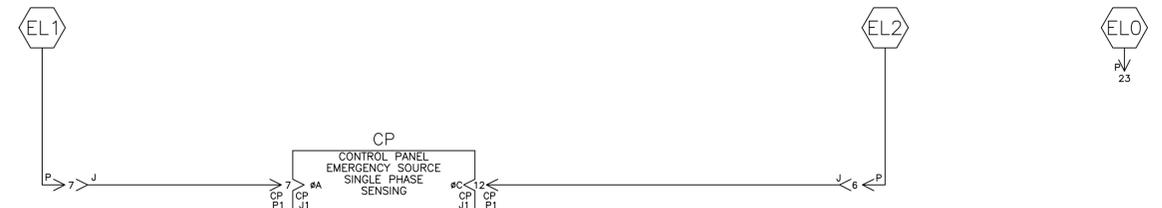
4 HARNESS LOCATOR			
WIRE No.	OPTIONAL ACC. 14AA & 14BA	CLR	AWG
32	TS-30,TB-7		16
33	TS-31,TB-8		
34	TS-32,TB-9		

CONTROL SIGNALS & INDICATION



EMERGENCY SOURCE CIRCUITS

EMERGENCY



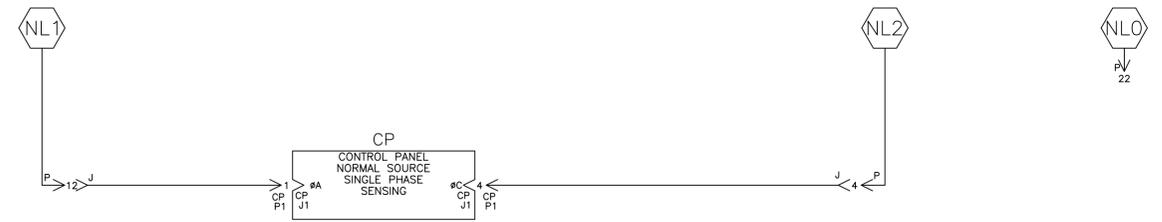
LOAD TERMINAL CIRCUITS

LOAD



NORMAL SOURCE CIRCUITS

NORMAL



K	278704	TR	BK	05/09/19
	SEE ECN			
J	234078	BK	BK	10/07/11
	SEE ECN			
H	213532	WK	BK	06/04/07
	SEE ECN			
G	203916	TR	BK	03/29/05
	SEE ECN			
F	167603	BK	BK	07/22/04
	SEE ECN			
E	167217	SDH	SDH	06/04/04
	SEE ECN			
D	166704	BWM	WK	03/31/04
	SEE ECN			
C	164762	BWM	WK	9/03
	ADD 11BG			
B	161046	BWM	SDH	6/02
	SEE ECN			
A	157813	BWM	WK	5/24/01
	SEE ECN			
-	157352	BWM	WK	4/01
	ISSUE			

PROJECT NAME: **WIRING DIAGRAM**

SERIES H300 ATS 1PH 600-1200 AMPS
"H" FRAME, GROUP 1 CONTROLS

MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-005.

PROPERTY OF ASCO POWER TECHNOLOGIES. USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.

ASCO® ASCO POWER TECHNOLOGIES, L.P.
FLORHAM PARK, NEW JERSEY 07932 U.S.A.

717500

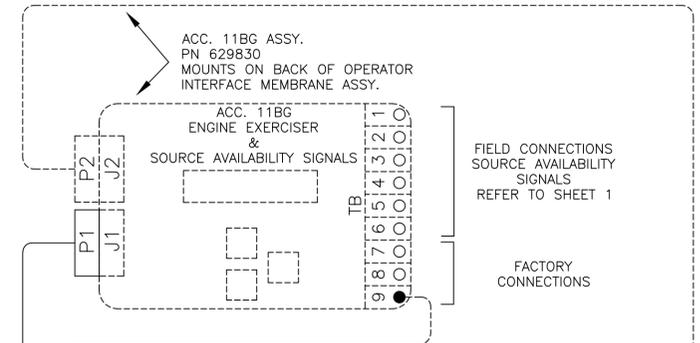
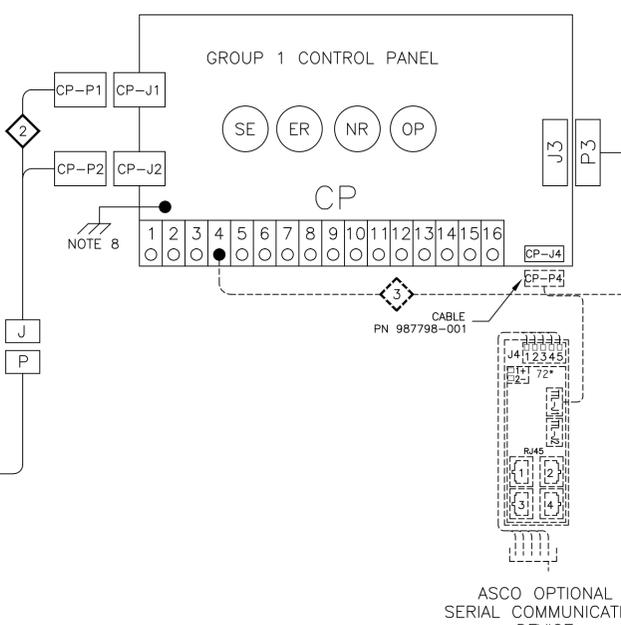
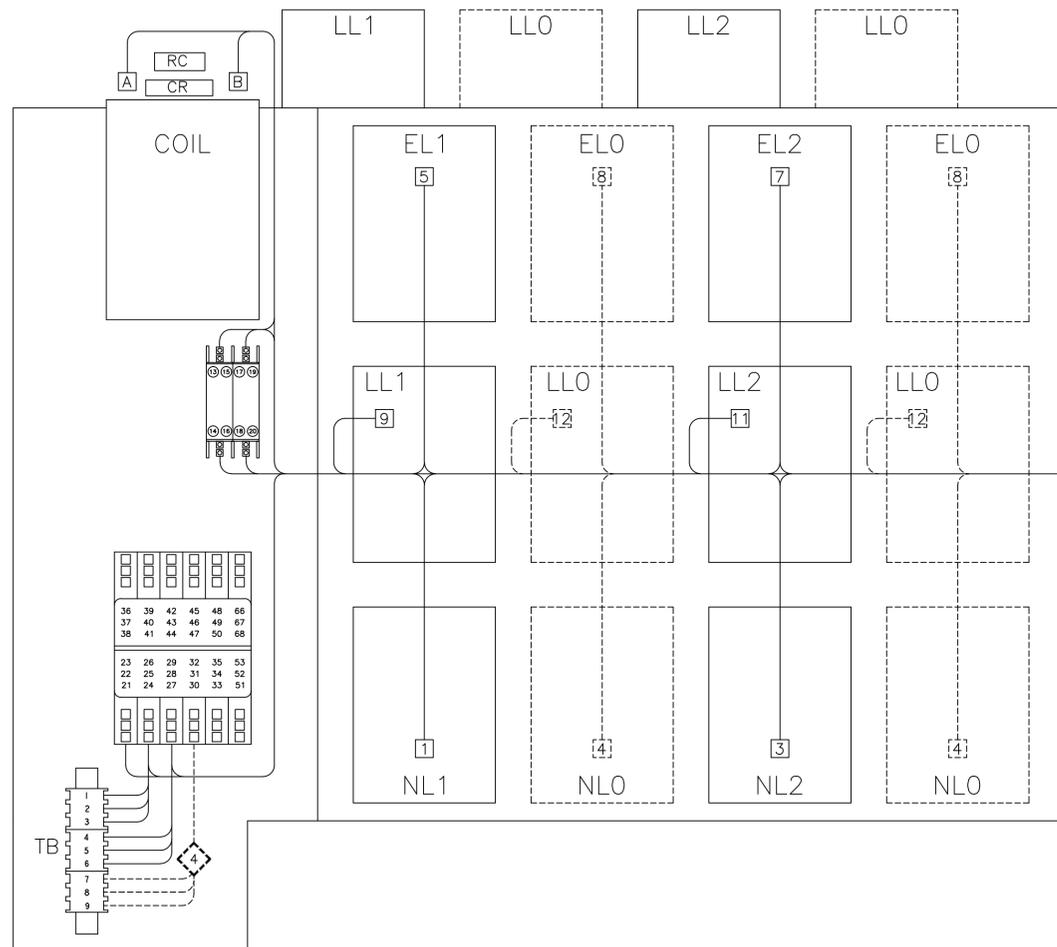
DRAWING K ECN NO. 278704 SHEET 3 OF 4

PHYSICAL DIAGRAM

ENCLOSURE

DOOR (INSIDE)

TS (TRANSFER SWITCH)
VIEW FROM INSIDE FRONT



OPERATOR CONTROLS

ID	DESCRIPTION
DS1	TS CONNECTED TO NORMAL
DS2	TS CONNECTED TO EMERGENCY
DS3	NORMAL SOURCE AVAILABLE
DS4	EMERGENCY SOURCE AVAILABLE
DS5	ENGINE EXERCISER
PB1	BYPASS TIME DELAY
PB2	TRANSFER SWITCH TEST
PB3	SET ENGINE EXERCISER

TO LOAD OF ATS
(OPTIONAL ACC. 44G)
OR
TO CUSTOMER POWER
SUPPLY 120VAC
(OPTIONAL ACC. 44A)



K	278704	TR	BK	05/09/19
J	234078	BK	BK	10/07/11
H	213532	WK	BK	06/04/07
G	203916	TR	BK	03/29/05
F	167603	BK	BK	07/22/04
E	167217	SDH	SDH	06/04/04
D	166704	BWM	WK	03/31/04
C	164762	BWM	WK	9/03
B	161046	BWM	SDH	6/02
A	157813	BWM	WK	5/24/01
-	157352	BWM	WK	4/01
				ISSUE

PROJECT NAME: **WIRING DIAGRAM**

SERIES H300 ATS 1PH 600-1200 AMPS
"H" FRAME, GROUP 1 CONTROLS

DRAWN BY	BWM	DATE	4/01	MANUFACTURING TOLERANCES TO BE IN ACCORDANCE WITH ASCO PROCEDURE MP-1-003. FOR PLASTIC PARTS SEE MP-1-005.	ASSEM. REF. NO.	SCALE	NONE	SIZE	DS	
CHECKED	BK	DATE	4/10/01	PROPERTY OF ASCO POWER TECHNOLOGIES, USE PERMITTED FOR OUR WORK ONLY. ALL RIGHTS OF DESIGN OR INVENTION ARE RESERVED.		DWG. NO.	717500			
PROJECT APPROVAL	WK	DATE	4/10/01			DRAWING K	ECN NO.	278704	SHEET	4 OF 4

ASCO POWER TECHNOLOGIES, L.P.
FLORHAM PARK, NEW JERSEY 07932 U.S.A.