

NOTES:

1. POWER SUPPLY RATING:

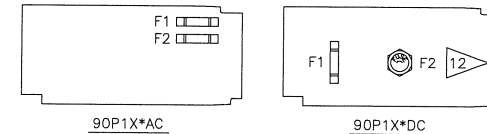
MODEL NUMBER	(W) WATTAGE NOM.	INPUT VOLTAGE (*)			(A) CURRENT		(**) INRUSH		+24 OUTPUT VOLTAGE (VDC)			(A) CURRENT			FC OUTPUT VOLTAGE (VDC)			(MA) CURRENT	FUSES(NOTE 6)	
		MIN.	NOM.	MAX.	NOM.	MAX.	CURRENT (A)	TIME JUS	MIN.	NOM.	MAX.	NOM.	MAX.	MIN.	NOM.	MAX.	NOM.	F1 INPUT	F2 FC	
90P1X120AC24FC80W	80	105vac	117vac	130vac	0.9	1.0	20	10	21.5	25.5	29.6	3.2	3.6	21.0	24	29.0	75	1-1/2A	s.b.	1/4A
90P1X120AC125FC80W	80	105vac	117vac	130vac	0.9	1.0	24	10	21.5	25.5	29.6	3.2	3.6	105	125	145	75	1-1/2A	s.b.	1/4A
90P1X240AC24FC80W	80	210vac	234vac	260vac	0.45	0.5	16	24	21.5	25.5	29.6	3.2	3.6	21.0	24	29.0	75	3/4A	s.b.	1/4A
90P1X240AC125FC80W	80	210vac	234vac	260vac	0.45	0.5	12	20	21.5	25.5	29.6	3.2	3.6	105	125	145	75	3/4A	s.b.	1/4A
90P1X24DC24FC90W	90	20vdc	24vdc	32vdc	5.3	6.3	100	600	25.0	25.5	26.0	3.6	3.7	22	24	26	100	10A		1/4A
90P1X48DC24FC100W	100	40vdc	48vdc	64vdc	2.6	3.1	200	800	25.0	25.5	26.0	4.0	4.2	22	24	26	100	8A		1/4A
90P1X48DC48FC100W	100	40vdc	48vdc	64vdc	2.6	3.1	200	440	25.0	25.5	26.0	4.0	4.2	45	48	51	100	8A		9
90P1X125DC24FC80W	80	105vdc	125vdc	140vdc	1.2	1.5	120	18	25.0	25.5	26.0	3.1	3.2	22	24	26	100	3A		1/4A
90P1X125DC125FC80W	80	105vdc	125vdc	140vdc	1.2	1.5	130	20	25.0	25.5	26.0	3.1	3.2	100	125	130	100	3A		9

(\*) ON AC INPUT SUPPLIES, SOURCE FREQUENCY MUST BE BETWEEN 48 AND 62 Hz ON DC INPUT SUPPLIES, SOURCE RIPPLE CANNOT EXCEED 20% OF NOMINAL VOLTAGE.

(\*\*) INRUSH WAS AT HIGH LINE FULL LOAD.

- EACH "OV" AND "+24" ANNUNCIATOR POWER INPUT TERMINAL MUST BE INDIVIDUALLY WIRED TO THE POWER SUPPLY "OV" AND "+24" OUTPUT TERMINALS. IF THERE ARE INSUFFICIENT "OV" AND "+24" POWER SUPPLY TERMINALS FOR THE WIRES REQUIRED, CHASSIS MAY BE GROUPED, PROVIDED THE LOAD PER WIRE PAIR DOES NOT EXCEED 182 WATTS. RUNS UNDER 20 FEET MAY USE 16 GAUGE WIRE. RUNS BETWEEN 20 AND 40 FEET MUST USE 14 GAUGE WIRE. RUNS OVER 40 FEET ARE NOT RECOMMENDED.
- FOR AC INPUT SUPPLIES, MIN. OUTPUT VOLTAGES ARE AT LOW LINE HEAVY LOAD. MAX. OUTPUT VOLTAGES ARE AT HIGH LINE AND LIGHT LOAD.
- STANDARD POWER INTERRUPTION CAPACITY IS 16ms. SPECIFY OPTION "1M" IF 100ms INTERRUPTION CAPACITY IS REQUIRED. OPTION "1M" MUST ALSO BE SPECIFIED FOR PLUG-INS, AND IS AVAILABLE FOR AC INPUT 24V FC MODELS ONLY.
- "+24" ON AC INPUT SUPPLIES IS NOT FILTERED AND CANNOT BE USED FOR "FC".

6. FUSE PLACEMENT IS APPROXIMATELY AS SHOWN:



- WEIGHT OF MODULE 90P1X\*AC IS 1.7kg. (3 lbs., 8 oz.) WEIGHT OF MODULE 90P1X\*DC IS 0.9kg. (1 lbs., 13 oz.)
- THE MODEL 90P1 POWER SUPPLY WHEN INTEGRALLY MOUNTED, REQUIRES ONE FULL MODULE POSITION.
- DC MODELS ARE SHORT CIRCUIT PROTECTED, NO FC FUSE REQUIRED.
- FOR WIRING INFORMATION, REFER TO APPLICABLE 92400 OR 94400 TERMINAL ARRANGEMENT DRAWING.
- A SINGLE FC AND/OR FCC WIRE BETWEEN THE SUPPLY AND THE MAIN BUS IS SUFFICIENT FOR ANY OUTPUT CAPACITY.
- F2 (FC FUSE 1/4A.) USED ON DC INPUT 24V FC MODELS ONLY.

REV	ECN NO.	BY	APPD	DATE	MATERIAL:
13	9190-15	TA	PG	05/14/85	FINISH:
14	10971	SK	AHD	06/17/92	USED ON/REF. DWG
15	10892-03	SM	JT	08/18/92	90800-P1DC-1
16	10684	SM	JT	10/16/92	90P*
17	11695-01	AD	JT	10/17/95	90900-21
18	11776	SK	JT	10/11/96	90300-4P*-1
19	11872	SK	MAL	06/15/01	

TOL. UNLESS SPECIFIED  
INCHES  
.XX = .015  
.XXX = .010  
.XXX = .005  
MILLIMETERS  
X.0 = 1.0  
0.X = 0.4  
0.XX = 0.1  
ANGLES ±0°30'  
SCALE  
MM  
NTS (INCH)

**AMETEK**  
1725 WESTERN DRIVE, WEST CHICAGO, ILL., 60185, U.S.A.  
PHONE: 1-630-231-5900 FAX: 1-630-231-4502

**PANALARM**  
DWN. BY CJP/SM  
APPD/DATE RS 06/27/81  
THIRD ANGLE PROJECTION

DIMENSIONAL OUTLINE AND SPECIFICATIONS  
MODEL 90P1 POWER SUPPLY FOR INTEGRAL  
OR REMOTE MOUNTING

SHEET 1 OF 1 DWG. NO. 90100-P1-1 -C-