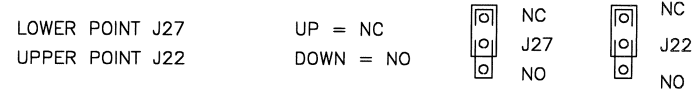


**NOTE:**

1. DO NOT MAKE CONNECTION BETWEEN FC OR FCC AND SYSTEM VOLTAGES (THIS MAINTAINS ISOLATION BETWEEN FIELD VOLTAGE AND ANNUNCIATOR. REMOVE THE JUMPER BETWEEN OV AND FCC WHEN USING THE ANNUNCIATOR FIELD VOLTAGE SUPPLY.
2. SEE SEQUENCE CARD MODEL NUMBER FOR OPTION CODE ORDERED.
3. FOR ADDITIONAL INPUT INFORMATION REFER TO DOC. 900250.
4. TYP. CARD WITH REMOVABLE JUMPER (NC/NO) IN NC POSITION.



5. "KN" TYPE SIGNAL INPUT PARAMETERS

NOMINAL	VOLTAGE		MAX ①	CURRENT MAX	RESISTANCE (OHMS)	
	DESIGN RANGE	MAX			SERIES MAX	LEAKAGE MIN
5 VAC/DC	4- 6 V	10 V	2.5mA	500 OHM	20 K	
12 VAC/DC	10- 14 V	24 V	3.5mA	5 K	50 K	
24 VAC/DC	20- 28 V	48 V	3.5mA	10 K	75 K	
48 VAC/DC	40- 56 V	96 V	2.5mA	10 K	125 K	
120 VAC/DC	100-130 V	138 V	3.0mA	10 K	110 K	
125 VDC	105-140 V	187 V	1.5mA	10 K	200 K	

① = CONTINUOUS WITHOUT FALSE OPERATION OR COMPONENT DAMAGE

6. SPECIAL (NARROW SWITCHING RANGE) SIGNAL INPUT OPTION TYPE "KNB120AC" (PARAMETERS SAME AS "KN120AC" EXCEPT "DESIGN RANGE" IS 105 TO 130 V) IS DESIGNED FOR THE FOLLOWING APPLICATION:

DISTRIBUTED CAPACITANCE ALONG FIELD CONTACT WIRES MAY CAUSE RESIDUAL AC VOLTAGE OF SUFFICIENT MAGNITUDE TO PREVENT THE OPTO-ISOLATOR INPUT FROM DE-ENERGIZING EVEN THOUGH THE FIELD CONTACT IS OPEN. BY CAREFUL SELECTION OF COMPONENT VALUES, THE SPECIAL "B" VERSION CARD WILL DE-ENERGIZE AT A HIGHER POINT TERMINAL INPUT VOLTAGE (APPROX. 90VAC). IN MOST APPLICATIONS, THIS WILL COMPENSATE FOR THE NEGATIVE EFFECTS OF RESIDUAL VOLTAGE. THIS PHENOMENON DOES NOT OCCUR WHEN USING D.C. SOURCE VOLTAGE.

REV	ECN NO.	BY	APPD	DATE	MATERIAL:
00	9190-82	JJ	PLG	02/03/86	FINISH:
01	10322	SK	PG	02/20/90	USED ON/REF. DWG
02	10322-01	SK	PG	06/08/90	92900-1
03	11595	AD	JT	03/20/95	900250
04	11872	SK	.	/ /	

TOL. UNLESS SPECIFIED
INCHES .X = .015 .XX = .010 .XXX = .005
MILLIMETERS X.0 = 1.0 0.X = 0.4 0.XX = 0.1
ANGLES ±0'30'
SCALE INCH (MM)
NONE

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

DWN. BY J. JOHNSON  
APPD/DATE PLG 02/03/86

THIRD ANGLE PROJECTION

WIRING DIAGRAM,  
FOR OPTO-ISOLATOR INPUT WITH EXTERNAL  
COMMON, MODELS KN\* AND KNB\*

SHEET 1 OF 1	DWG. NO. 92450-KN*-1	-B-
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