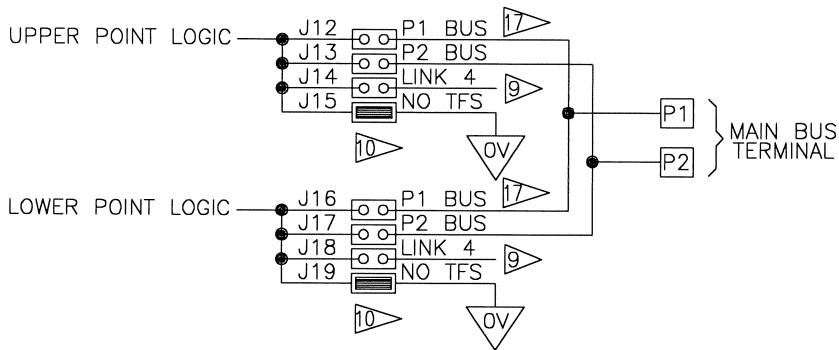
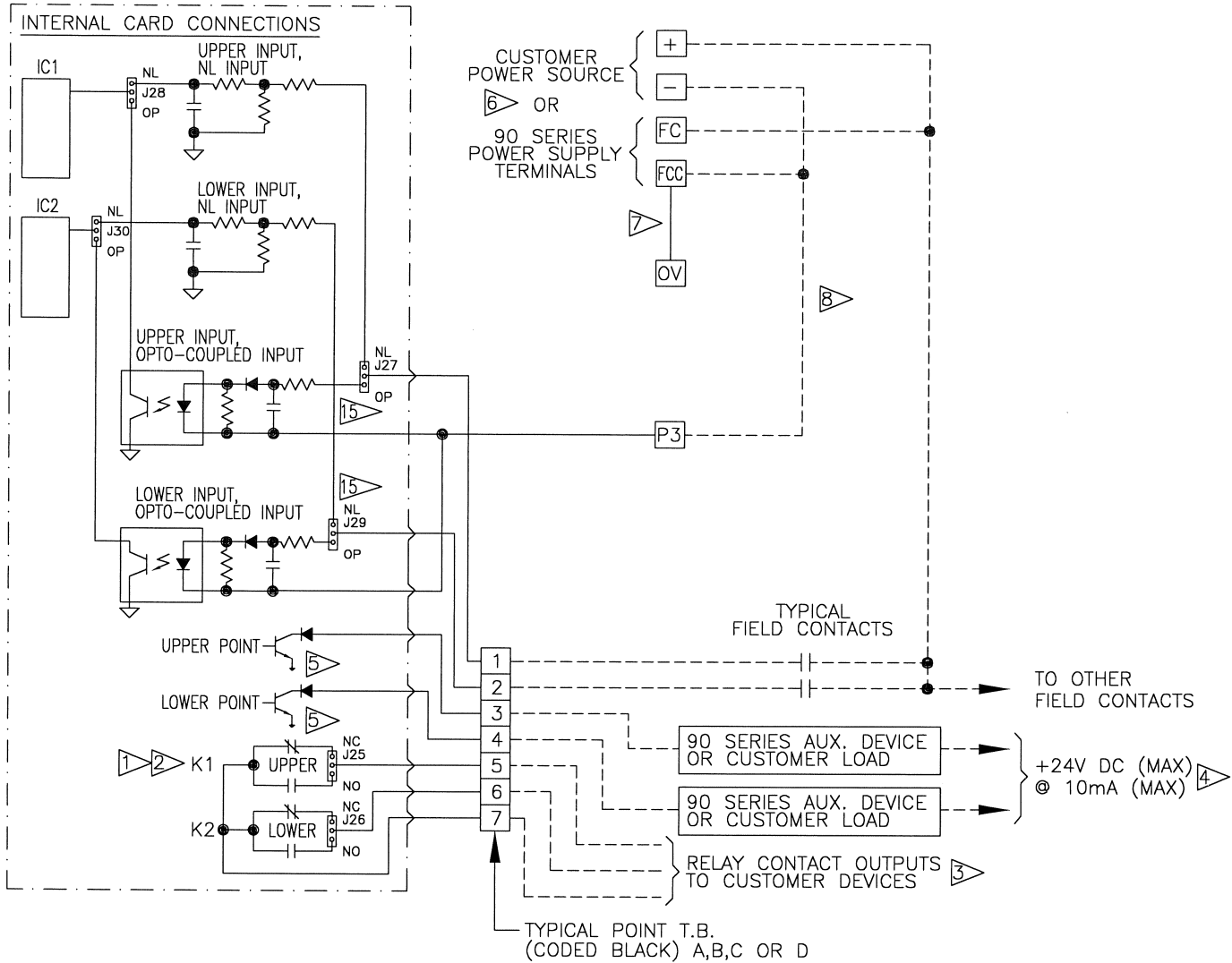


WIRING DIAGRAM



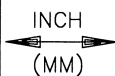
DASHED LINES INDICATE CUSTOMER WIRING



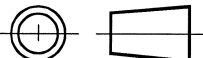
PANALARM

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

TOLERANCE UNLESS SPECIFIED
 INCHES MILLIMETERS
 .X = .040 X.0 = 1.0
 .XX = .015 0.X = 0.4
 .XXX = .005 0.XX = 0.1
 ANGLES ±0°30'



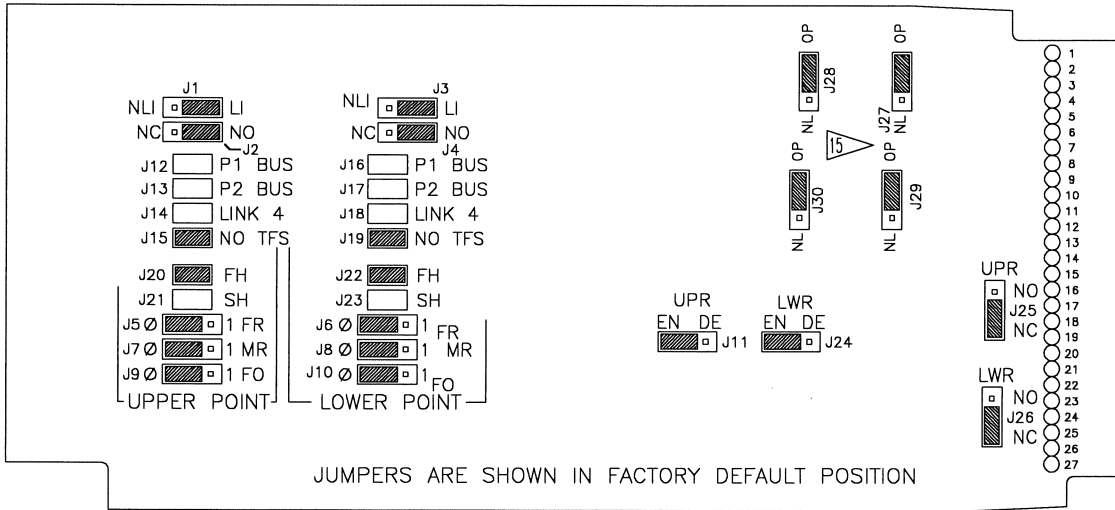
THIRD ANGLE PROJECTION



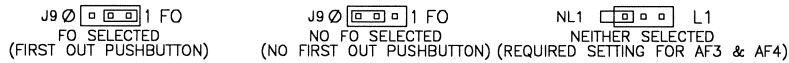
REV	ECN NO.	BY	APPD	DATE	SCALE NONE	© 1999
00	11943	SK	CNL	11/29/99	DRWN BY S. KUNCA	
01	7097-81	SK	CNL	1/14/00	APPD CNL	
					DATE 11/29/99	
					92450-MP3-1-01-01.dwg	
					SHEET 1 OF 4	

WIRING DIAGRAM,
 PROGRAMMING JUMPER LOCATIONS
 (OPTION 92MP3X*)

MODEL 92MP3X* PROGRAMMING JUMPER LOCATIONS



SELECTION JUMPER EXAMPLES



NOTES:

- 1 CONTACTS ARE SHOWN IN THE DE-ENERGIZED IN NORMAL CONDITION.
- 2 CONTACTS FOLLOW THE ALARM CONDITION AT THE INPUTS, (CONTACT FOLLOWER).
- 3 CONTACT RATING:
1 AMP @ 28VDC RESISTIVE
500mA @ 28VDC LAMP LOAD
- 4 SATURATION VOLTAGE = 2.0V DC @ 10 Ma.
- 5 EMITTER IS CONNECTED TO SYSTEM COMMON (0V).
- 6 INPUT RATINGS:
24V DC @ 3.5 mA NOMINAL, (2.5 mA FOR NL INPUT), (RANGE = 20 TO 30 V)
MAXIMUM SERIES RESISTANCE = 10 K OHM, (6.5 K OHM FOR NL INPUT)
MINIMUM SHUNT RESISTANCE = 75 K OHM, (45 K OHM FOR NL INPUT)
- 7 FOR NL INPUTS CONNECT FCC TO 0V. DO NOT CONNECT FCC TO THE P3 BUS.
- 8 FOR OPTO-COUPLED INPUTS CONNECT FCC TO THE P3 BUS. DO NOT CONNECT FCC TO 0V IN ORDER TO MAINTAIN ISOLATION.
- 9 "LINK 4" IS A CROSSOVER LINK.
THIS IS A CONNECTION TO AN ADJACENT CARD SLOT.
- 10 "NO TFS" IS THE FACTORY DEFAULT SETTING.
THIS SETTING MUST BE SELECTED FOR NON-FIRST OUT SEQUENCES.
- 11 ONLY ONE JUMPER IS INSTALLED FOR J12-J15 AT ANY ONE TIME.
- 12 ONLY ONE JUMPER IS INSTALLED FOR J16-J19 AT ANY ONE TIME.
- 13 THIS SELECTION ALLOWS THE GROUPING TERMINAL TO BE BROUGHT OUT TO OTHER CUSTOMER TERMINALS IN ADJACENT CARD SLOTS USING A JUMPER CARD. CONSULT FACTORY FOR COMPATIBLE MODEL NUMBERS.
- 14 DUE TO THE ADDITIONAL TIME DELAY OF OPTO-COUPLED INPUTS, THE NL TYPE IS RECOMMENDED FOR FIRST-OUT SEQUENCES.
- 15 INPUT OPTION CODE "6D" IS DESIGNED FOR 125VDC OPTICALLY COUPLED INPUTS ONLY. SELECTION JUMPERS J27, J28, J29 & J30 WILL NOT BE PERSENT.
- 16 IF TRANSIENT SUPPRESSION FOR RELAY CONTACT WIRING IS REQUIRED, INSTALL (OPTIONAL) 90ATB14 ACROSS ACTIVE CONTACTS. (130VAC MAX.)
- 17 FOR OPTION "1LD", THE P1 BUS IS NOT AVAILABLE AS THE FIRST-OUT GROUPING BUS (JUMPERS J12 AND J16 ARE NOT INSTALLED).

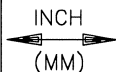


PANALARM

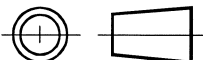
1725 WESTERN DRIVE, WEST CHICAGO, IL., 60185, U.S.A.
PHONE: 1-630-231-5900 FAX: 1-630-231-4502

TOLERANCE UNLESS SPECIFIED

INCHES	MILLIMETERS
.X = .040	X.0 = 1.0
.XX = .015	0.X = 0.4
.XXX = .005	0.XX = 0.1
ANGLES ±0°30'	



THIRD ANGLE PROJECTION



REV	ECN NO.	BY	APPD	DATE	SCALE	NONE	© 1999
01	SEE SHT 1				DRWN BY	S. KUNCA	
					APPD	CNL	
					DATE	11/29/99	
						92450-MP3-1-01-02.dwg	
					SHEET	2 OF 4	

WIRING DIAGRAM,
PROGRAMMING JUMPER LOCATIONS
(OPTION 92MP3X*)



DWG. NO. 92450-MP3-1

-A-












MODEL 92MP3X* SETUP GUIDE
UPPER POINT SEQUENCE PROGRAMMING JUMPERS
(SEE EXAMPLES BELOW)

SEQUENCE	J1	J2	J12-15	J5	J7	J9
AF (AF1)	AS REQUIRED	AS REQUIRED	J15	NO FR	NO MR	NO FO
FR (AF2)	LI	AS REQUIRED	J15	FR	NO MR	NO FO
AM (AF3)	NEITHER	AS REQUIRED	J15	NO FR	MR	NO FO
FRM (AF4)	NEITHER	AS REQUIRED	J15	FR	MR	NO FO
TFS (TF1)	LI	AS REQUIRED	J12, 13 OR 14	NO FR	NO MR	FO
TFSFR (TF2)	LI	AS REQUIRED	J12, 13 OR 14	FR	NO MR	FO

LOWER POINT SEQUENCE PROGRAMMING JUMPERS
(SEE EXAMPLES BELOW)

SEQUENCE	J3	J4	J16-19	J6	J8	J10
AF (AF1)	AS REQUIRED	AS REQUIRED	J19	NO FR	NO MR	NO FO
FR (AF2)	LI	AS REQUIRED	J19	FR	NO MR	NO FO
AM (AF3)	NEITHER	AS REQUIRED	J19	NO FR	MR	NO FO
FRM (AF4)	NEITHER	AS REQUIRED	J19	FR	MR	NO FO
TFS (TF1)	LI	AS REQUIRED	J16, 17 OR 18	NO FR	NO MR	FO
TFSFR (TF2)	LI	AS REQUIRED	J16, 17 OR 18	FR	NO MR	FO

PROGRAMMING JUMPER DESCRIPTION

UPPER POINT JUMPER	LOWER POINT JUMPER	LABEL	FUNCTIONAL DESCRIPTION
J1	J3	NLI/LI	SELECTS THE NON-LOCKIN OR LOCKIN FEATURE FOR FIELD INPUT
J2	J4	NO/NC	SELECTS FOR NORMALLY OPEN OR NORMALLY CLOSED FIELD CONTACT
J5	J6	FR/NO FR	ACTIVATES THE FLASH RESET PUSHBUTTON FOR SEQUENCES THAT REQUIRE IT
J7	J8	MR/NO MR	ACTIVATES THE MANUAL RESET PUSHBUTTON FOR SEQUENCES THAT REQUIRE IT
J9	J10	FO/NO FO	ACTIVATES THE FIRST RESET PUSHBUTTON FOR SEQUENCES THAT REQUIRE IT
J12 	J16 	P1 BUS	SELECTS THE P1 BUS AS THE FIRST-OUT GROUPING BUS
J13 	J17 	P2 BUS	SELECTS THE P2 BUS AS THE FIRST-OUT GROUPING BUS
J14 	J18 	LINK 4 	SELECTS CROSS-OVER LINK #4 AS THE FIRST-OUT GROUPING BUS
J15 	J19 	NO TFS	INSTALLED FOR NON FIRST-OUT SEQUENCES
J20	J22	FH	SELECTS FIRST HORN BUS FOR THE POINT
J21	J23	SH	SELECTS SECOND HORN BUS FOR THE POINT
J11	J24	EN/DE	SELECTS ENERGIZED OR DE-ENERGIZED FOR AUX. RELAY WHEN POINT NORMAL
J25	J26	NO/NC	SELECTS THE NORMALLY OPEN OR CLOSED CONTACT OF THE AUX. RELAY
J27,J28 	J29,J30 	NL/OP	SELECTS THE INPUT TYPE FOR NL OR OPTO-COUPLED



PANALARM

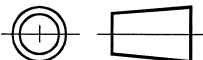
1725 WESTERN DRIVE, WEST CHICAGO, IL., 60185, U.S.A.
PHONE: 1-630-231-5900 FAX: 1-630-231-4502

TOLERANCE UNLESS SPECIFIED

INCHES MILLIMETERS
.X = .040 X.0 = 1.0
.XX = .015 0.X = 0.4
.XXX = .005 0.XX = 0.1
ANGLES ±0°30'

INCH
←→
(MM)

THIRD ANGLE PROJECTION



AMETEK

REV	ECN NO.	BY	APPD	DATE	SCALE NONE	© 1999
01	SEE SHT 1				DRWN BY S. KUNCA	
					APPD CNL	
					DATE 11/29/99	
					92450-MP3-1-01-03.dwg	
					SHEET 3 OF 4	

WIRING DIAGRAM,
PROGRAMMING JUMPER LOCATIONS
(OPTION 92MP3X*)



DWG. NO. 92450-MP3-1

-A-

MODEL 92MP3X* SEQUENCE DESCRIPTIONS

I.S.A. SEQUENCE "A" (LOCK-IN) AND "A-4" (NON-LOCK-IN)

AF (AF1)	BASIC FLASHING	ALARM OR TEST	ACKNOWLEDGE	RETURN TO NORMAL
	VISUAL	FLASHING	STEADY ON	OFF
	AUDIBLE	ON	OFF	OFF

- NON-LOCK-IN OPTION RETURNS ALARM CONDITION TO NORMAL WITHOUT OPERATOR ACKNOWLEDGE IF INPUT SIGNAL RETURNS TO NORMAL.
- PUSHBUTTONS: (2), ACKNOWLEDGE AND TEST.

I.S.A. SEQUENCE "A-1-2"

FR (AF2)	BASIC FLASHING, SEPARATE FLASHER RESET	ALARM OR TEST	ACKNOWLEDGE	FLASH RESET	RETURN TO NORMAL
	VISUAL	FLASHING	FLASHING	STEADY ON	OFF
	AUDIBLE	ON	OFF	OFF	OFF

- PUSHBUTTONS: (3), ACKNOWLEDGE, FLASH RESET AND TEST.

I.S.A. SEQUENCE "M"

AM (AF3)	BASIC FLASHING, MANUAL RESET	ALARM OR TEST	ACKNOWLEDGE	RETURN TO NORMAL	RESET TO NORMAL
	VISUAL	FLASHING	STEADY ON	STEADY ON	OFF
	AUDIBLE	ON	OFF	OFF	OFF

- PUSHBUTTONS: (3), ACKNOWLEDGE, RESET AND TEST.

I.S.A. SEQUENCE "M-1-2"

FRM (AF4)	BASIC FLASHING, SEPARATE FLASHER RESET & MANUAL RESET	ALARM OR TEST	ACKNOWLEDGE	FLASH RESET	RETURN TO NORMAL	RESET TO NORMAL
	VISUAL	FLASHING	FLASHING	STEADY ON	STEADY ON	OFF
	AUDIBLE	ON	OFF	OFF	OFF	OFF

- PUSHBUTTONS: (4), ACKNOWLEDGE, FLASH RESET, RESET AND TEST.

I.S.A. SEQUENCE "F3A-3"

TFS (TF1)	TRI-FLASH, FIRST OUT	FIRST ALARM OR TEST	SUBSEQUENT ALARM	ACKNOWLEDGE	FIRST OUT RESET	RETURN TO NORMAL
	VISUAL	INTERMITTANT FAST FLASH	INTERMITTANT FAST FLASH	SLOW FLASH	STEADY ON	OFF
	SUBSEQUENT VISUAL	OFF	FAST FLASH	STEADY ON	STEADY ON	OFF
	AUDIBLE	ON	ON	OFF	OFF	OFF

- PUSHBUTTONS: (3), ACKNOWLEDGE, FIRST RESET AND TEST.

I.S.A. SEQUENCE "F3A-1-2-3"

TFSFR (TF2)	TRI-FLASH, FIRST OUT	FIRST ALARM OR TEST	SUBSEQUENT ALARM	ACKNOWLEDGE	FLASH RESET	FIRST OUT RESET	RETURN TO NORMAL
	VISUAL	INTERMITTANT FAST FLASH	INTERMITTANT FAST FLASH	INTERMITTANT FAST FLASH	SLOW FLASH	STEADY ON	OFF
	SUBSEQUENT VISUAL	OFF	FAST FLASH	STEADY ON	STEADY ON	STEADY ON	OFF
	AUDIBLE	ON	ON	OFF	OFF	OFF	OFF

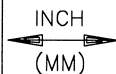
- PUSHBUTTONS: (4), ACKNOWLEDGE, FLASH RESET, FIRST RESET AND TEST.



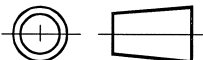
PANALARM

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

TOLERANCE UNLESS SPECIFIED
INCHES MILLIMETERS
.X = .040 X.O = 1.0
.XX = .015 O.X = 0.4
.XXX = .005 O.XX = 0.1
ANGLES ±0°30'



THIRD ANGLE PROJECTION



REV	ECN NO.	BY	APPD	DATE	SCALE NONE	© 1999
01	SEE SHT 1				DRWN BY S. KUNCA	
					APPD CNL	
					DATE 11/29/99	
					92450-MP3-1-01-04.dwg	
					SHEET 4 OF 4	

WIRING DIAGRAM,
PROGRAMMING JUMPER LOCATIONS
(OPTION 92MP3X*)



DWG. NO. 92450-MP3-1

-A-