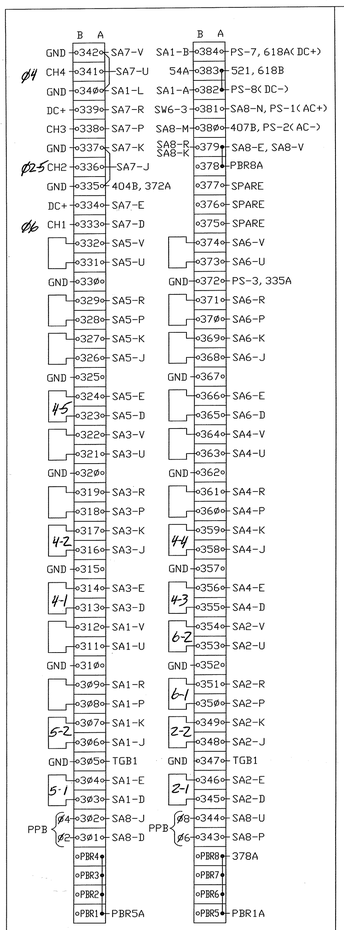


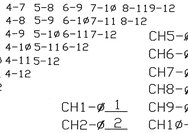
NOTE: 305, 310, 315, 320, 325, 330, 335, 340, 347, 352, 357, 362, 367 AND 372 ARE INTERCONNECTED BY THE WIEDMULLER MOUNTING RAIL.

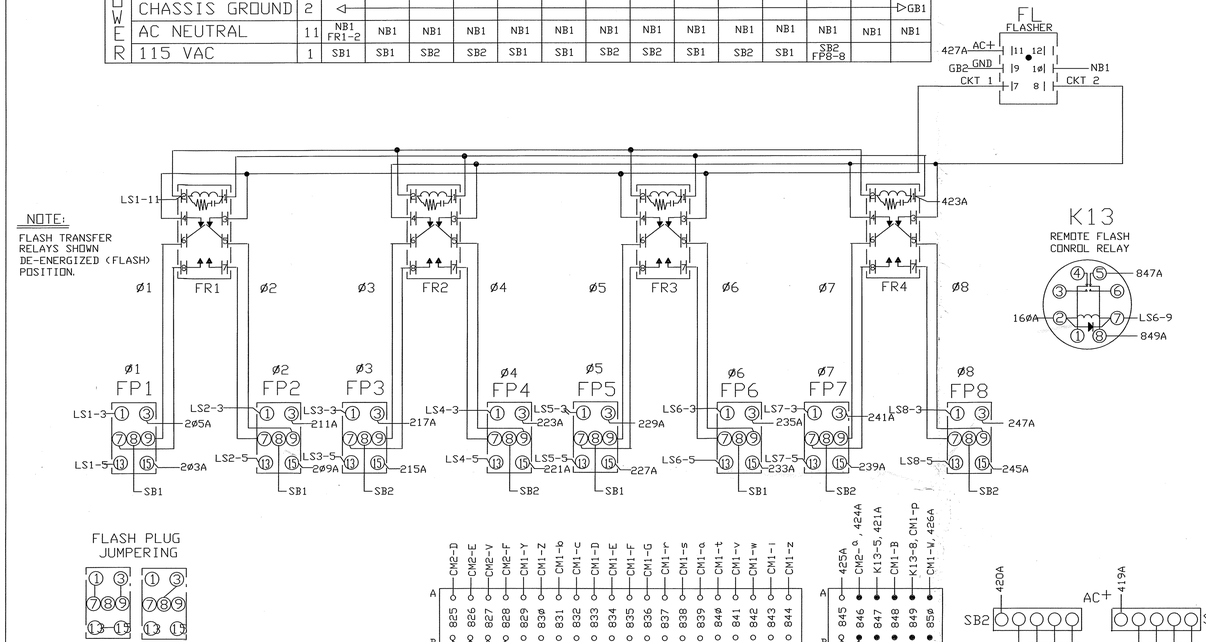
JUMPERS 335A-337A AND 340A-342A, ARE TO BE ADDED AS NEEDED FOR EVP.

LOAD SWITCH PANEL ASSEMBLY

	LS	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	CONT Ø	1	2	3	4	5	6	7	8	2P	4P	6P	8P		
	PLAN Ø														
INPUT	GREEN / WALK	10	62A	69A	76A	82A	102A	109A	116A	122A	72A	85A	112A	125A		
	YELLOW/PED CLR	8	63A	70A	77A	83A	103A	110A	117A	123A	142B	144B	146B	148B		
	RED/DON'T WALK	6	64A	71A	78A	84A	104A	111A	118A	124A	73A	86A	113A	126A		
OUTPUT	GREEN / WALK	7	201A	207A	213A	219A	225A	231A	237A	243A	249A	255A	261A	267A		
	YELLOW	5	FP1-13	FP2-13	FP3-13	FP4-13	FP5-13	FP6-13	FP7-13	FP8-13	251A	257A	263A	269A		
	RED/DON'T WALK	3	FP1-1	FP2-1	FP3-1	FP4-1	FP5-1	FP6-1	FP7-1	FP8-1	253A	259A	265A	271A		
POWER	+24 VDC	9	◁					K13-7						▷60B		
	CHASSIS GROUND	2	◁												▷GB1	
	AC NEUTRAL	11	NB1 FR1-2	NB1	NB1	NB1	NB1	NB1	NB1	NB1	NB1	NB1	NB1	NB1	NB1	NB1
	115 VAC	1	SB1	SB1	SB2	SB2	SB1	SB1	SB2	SB2	SB1	SB2	SB1	SB2 FP8-8		

TYPICAL ALL LOAD SWITCH BASES





NEMA #2CH CONFLICT MONITOR

CM1

SHL	SHELL GROUND	GB1
AL	AC+I	826B
BL	RELAY 1 NO	848A
CL	RELAY 2 NC	141A
DL	CH 12 GRN	833A
EL	CH 11 GRN	834A
FL	CH 10 GRN	835A
GL	CH 9 GRN	836A
HL	CH 8 GRN Ø8	244A
JL	CH 7 GRN Ø7	238A
KL	CH 6 GRN Ø6	232A
LL	CH 5 GRN Ø5	226A
ML	CH 4 GRN Ø4	220A
NL	CH 3 GRN Ø3	214A
PL	CH 2 GRN Ø2	208A
RL	CH 1 GRN Ø1	202A
SL	+24V MONITOR I	59B
TL	LOGIC GROUND	53B
UL	CHASSIS GROUND	SHELL
VL	AC-(NEUTRAL)	NB1
WL	RELAY 1 COMMON(AC+)	850A
XL	RELAY 2 COMMON (LG)	54B
YL	CH 12 YEL	829A
ZL	CH 11 YEL	830A
aL	CH 10 WK	839A
bL	CH 10 YEL	831A
cL	CH 9 YEL	832A
dL	CH 8 YEL Ø8	246A
eL	CH 7 YEL Ø7	240A
fL	CH 6 YEL Ø6	234A
gL	CH 5 YEL Ø5	228A
hL	CH 3 YEL Ø3	216A
iL	CH 3 WK	843A
jL	CH 2 YEL Ø2	210A
kL	CH 1 YEL Ø1	204A
mL	CONT. VOLT. MON.	52B
nL	+24V MONITOR INHIBIT	1Ø01B
pL	RELAY 1 NC	849A
qL	RELAY 2 NO	156A
rL	CH 12 WK	837A
sL	CH 11 WK	838A
tL	CH 9 WK	840A
uL	CH 8 WK Ø8	268A
vL	CH 7 WK	841A
wL	CH 5 WK	842A
xL	CH 4 YEL Ø4	222A
yL	CH 2 WK Ø2	250A
zL	CH 1 WK	844A
AAL	SPARE 1	142A
BBL	RESET	1Ø04B
CCL	CAB INTERLOCK A	1Ø03B
DDL	CAB INTERLOCK B	1Ø02B
EEL	CH 6 WK Ø6	262A
FFL	CH 4 WK Ø4	256A
GGL	SPARE 2	143A
HHL	SPARE 3	144A

CM2

AL	AC+II	825B
BL	DELAY RELAY COMM	55B
CL	DELAY RELAY NO	6A
DL	CH 12 RED	825A
EL	CH 11 RED	826A
FL	CH 9 RED	828A
GL	CH 8 RED Ø8	248A
HL	CH 7 RED Ø7	242A
JL	CH 6 RED Ø6	236A
KL	CH 5 RED Ø5	230A
LL	CH 4 RED Ø4	224A
ML	CH 2 RED Ø2	212A
NL	CH 1 RED Ø1	206A
PL	SPARE 1	145A
RL	+24V MONITOR II	58B
SL	SPARE 2	146A
TL	SPARE 3	147A
UL	DELAY RELAY NC	1Ø05B
VL	CH 10 RED	827A
WL	SPARE 4	1Ø06B
XL	SPARE 5	1Ø07B
YL	SPARE 6	1Ø08B
ZL	CH 3 RED Ø3	218A
aL	RED ENABLE	846A
bL	SPARE 7	1Ø09B
cL	SPARE 8	1Ø10B

CONFLICT MONITOR MATRIX PROGRAMMING INSTRUCTIONS

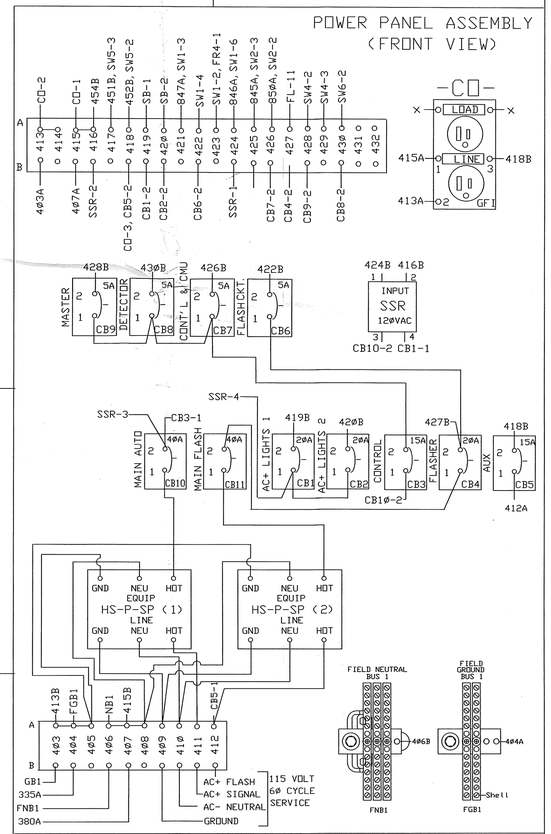
1-2 2-3 3-4 4-5 5-6 6-7 7-8 8-9 9-10 10-11 11-12
1-3 2-4 3-5 4-6 5-7 6-8 7-9 8-10 9-11 10-12
1-4 2-5 3-6 4-7 5-8 6-9 7-10 8-11 9-12
1-5 2-6 3-7 4-8 5-9 6-10 7-11 8-12
1-6 2-7 3-8 4-9 5-10 6-11 7-12
1-7 2-8 3-9 4-10 5-11 6-12
1-8 2-9 3-10 4-11 5-12
1-9 2-10 3-11 4-12
1-10 2-11 3-12
1-11 2-12
1-12

CH1-Ø 1
CH2-Ø 2
CH3-Ø 3
CH4-Ø 4

CH5-Ø 5
CH6-Ø 6
CH7-Ø 7
CH8-Ø 8
CH9-Ø
CH10-Ø
CH11-Ø
CH12-Ø

CHANNEL-Ø COMBINATIONS NOT PINNED WITH MATRIX JUMPERS CONSTITUTE CONFLICTING MOVEMENTS. TO PROGRAM, CIRCLE PERMISSIVE COMBINATIONS AND INSTALL JUMPERS ON CORRESPONDING PINS ON THE PROGRAM CARD.

POWER PANEL ASSEMBLY (FRONT VIEW)



TIGHTENING TORQUE SPECIFICATIONS

SCREW SIZE	6-32	8-32	10-32
POUND INCHES	12	16	25.9
BLOCK TYPE	SAKS6	RK6-10	SAK35N
POUND INCHES	10.5	16	35
BLOCK TYPE	ZB35	ZB10	
POUND INCHES	35.5	17.75	

VEHICLE SIGNALS

SIGNAL	TERMINAL ←G	←Y	←R	G	Y	R
2-1, 2-3				207	209	211
2-2				208	210	212
4-1, 4-3				219	221	223
4-2, 4-4				220	222	224
5-1	225	227	229			
5-2	226	228	230			
6-1, 6-3				231	233	235
6-2				232	234	236

SIGNAL HEAD NEUTRALS TO BE TERMINATED ON FNB1

VEH DETECTORS

DET	TERMINAL
2-1	345-346
2-2	348-349
4-1	313-314
4-2	316-317
4-3	355-356
4-4	358-359
4-5	323-324
5-1	303-304
5-2	306-307
6-1	350-351
6-2	353-354

LOOP LEAD IN DRAIN WIRES ARE TO BE CONNECTED TO GREEN/YEL WIEDMULLER BLOCKS ONLY

PED SIGNALS

SIGNAL	TERMINAL WK	DW
P6-1	261	265
P6-2	262	266

PED HEAD NEUTRALS TO BE TERMINATED ON FNB1

PED PUSHBUTTONS

PPB	TERMINAL
PB6-1, 6-2	343

NOTES

1) IF EVP HEADS ARE INSTALLED JUMPER 367B TO 369B AND / OR 335B TO 337B

EVP SENSORS

CONTR. CHAN.	PHASES	POLE #	SIGNAL	DC(+)	GND
1	6	4	333	334	337
2	2-5	2, 4	336	334	337
3		1			
4	4	3, 1	341	339	342

EVP CONFIRMATORY LIGHTS

CONTR. CHAN.	PHASES	POLE #	TERM
1	6	4	251
2	2-5	2, 4	257
3		1	
4	4	3, 1	269

EVP TYPICAL SENSOR WIRE COLORS

SIGNAL	DC(+)	GND
YEL	ORG	BLU
CLR	RED	BLK
WHT	RED	BLK

REV.	DATE	REVISION

ACT Electronics, Inc.

DATE 8/25/99
DRAWN MPZ

#52 AT 105TH AVE

TITLE: MNDOT 1999 "R" & "P" CABINET

SIZE D | PART#

SCALE

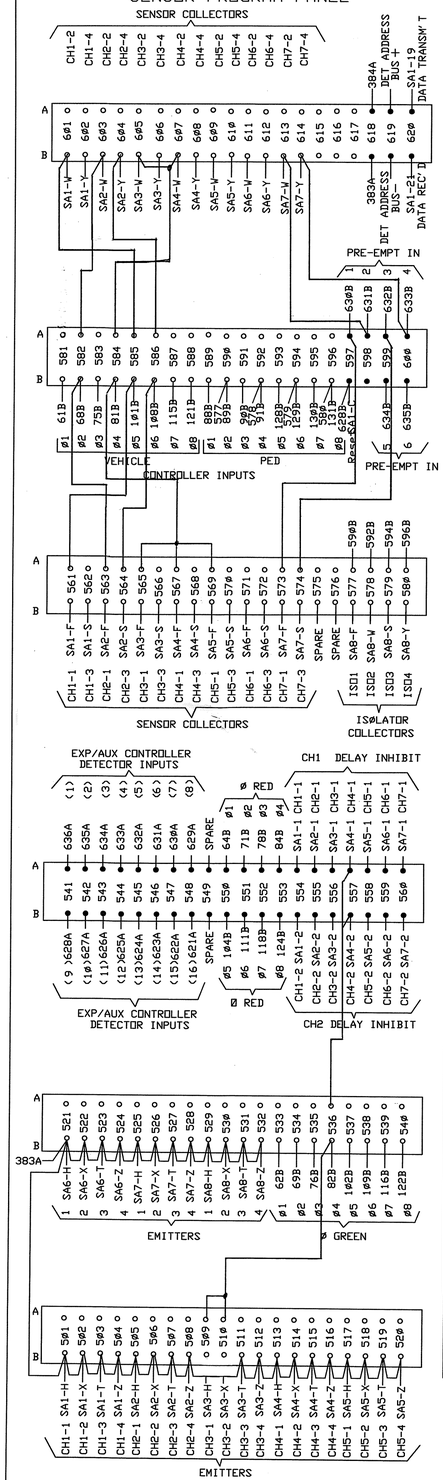
FIDP: ANOKA

REV. STATUS			
SHEET	1	2	3
REV	A	A	A

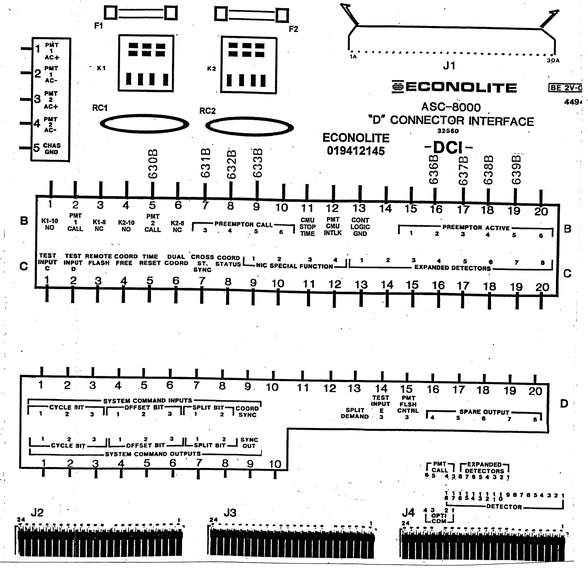
FILE ACT99001 REV A SHEET 1 OF 3

01020

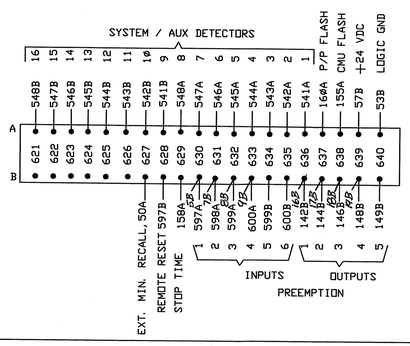
SENSOR PROGRAM PANEL



SPECIAL FUNCTION MODULE PIN ASSIGNMENT "D" CABLE 28022900-004			
CONN. PIN	I/O	FUNCTION	TERM.
1	O	EMERG. PR. 4 OUT	19B
2	O	OFFSET 3 OUT	9E
3	I	OFFSET 4 (ADD BIT 3)	10D
4	I	ON LINE	9D
5	O	SPARE	7C
6	I	DIAL 4	3D
7	I	DIAL 6	NC
8	I	SPECIAL FUNCTION 2 OUT	10C
9	I	SPLIT 3	8D
10	I	OFFSET 6 (ADD BIT 1)	5D
11	O	FLASH OUT	12C
12	I	OFFSET 1 (ADD BIT 0)	4D
13	I	SYSTEM DET. 8	20C
14	I	DIAL 5	5C
15	O	SPECIAL FUNCTION 3 OUT	15D
16	I	SPLIT 1	7D
17	I	SYSTEM DET. 1 (SEQ. #1)	13C
18	I	SYSTEM DET. 4 (SEQ. #4)	18C
19	I	SYSTEM ENABLE	14D
20	I	TIMING ENABLE	1C
21	O	SPLIT 2 OUT	7E
22	O	EMERG. PR. 2 OUT	17B
23	O	RAILROAD PR. OUT	15B
24	O	SPARE	11C
25	O	DIAL 2 (SPECIAL FUNCTION 2)	1D
26	I	FREE/COORD (SPECIAL FUNCTION 1)	4C
27	O	FREE/COORD OUT	8C
28	O	SPECIAL FUNCTION 1 OUT	9C
29	O	DIAL 4 OUT	3E
30	I	SYSTEM DET. 5	17C
31	I	SYSTEM DET. 3 (SEQ. #3)	15C
32	O	EMERG. PR. 1 OUT	16B
33	O	OFFSET 1 OUT	4E
34	O	EMERG. PR. 3 OUT	18B
35	O	DIAL 3 (SPECIAL FUNCTION 3)	2D
36	I	OFFSET 3 (ADD BIT 2)	6D
37	I	FLASH STATUS	2C
38	I	OFFSET 5 (ADD BIT 4)	6C
39	I	SYSTEM DET. 6	18C
40	I	SYSTEM DET. 7	19C
41	O	OFFSET 4 OUT	16D
42	O	OFFSET 2 OUT	5E
43	O	DIAL 2 OUT	1E
44	O	DIAL 3 OUT	2E
45	O	OFFSET 5 OUT	17D
46	O	SPLIT 3 OUT	8E
47	I	SYSTEM DET. 2 (SEQ. #2)	14C
48		LOGIC GND.	20B
49	I	EMERG. PREEMPT 1	5B
50	I	EMERG. PREEMPT 2	7B
51	O	DIAL 5 OUT	18D
52	O	DIAL 6 OUT	19D
53		LOGIC GND.	9E
54		LOGIC GND	20D
55	I	EMERG. PREEMPT 3	8B
56	I	EMERG. PREEMPT 4	9B
57	I	RAILROAD PREEMPT	2B
58	I	CONFLICT STATUS	11B
59		RESERVED	12B
60	I	FLASH COMMAND	3C
61		RESERVED	10B
62		RESERVED	NC
63		CHASSIS GND.	NC



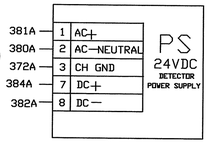
4th CONNECTOR TERMINATION BLOCK



SA

DETECTORS AND PPB ISOLATION

MAIN I/O BLOCK	WIRE COLOR	SA I/O BLOCK	EDGE CONN.	☒ Pin 10 of the edge conn. can be jumpered for use as CH4 delay inhibit. Jumpering will disable addressing.		SA1 PHASE	SA1 FUNC	SA1 DET	SA2 PHASE	SA2 FUNC	SA2 DET	SA3 PHASE	SA3 FUNC	SA3 DET	SA4 PHASE	SA4 FUNC	SA4 DET	SA5 PHASE	SA5 FUNC	SA5 DET	SA6 PHASE	SA6 FUNC	SA6 DET	SA7 PHASE	SA7 FUNC	SA7 DET	SA8 PPB ISOLATION PHASE	FUNCTIONS		
					CH 1	5	1	5-1	2	1	2-1	4	3	4-1	4	7	4-3	4	1	4-5				Exp	6	2	CH 1	1-CALL&EXTEND 2-CALL ONLY 3-EXTEND ONLY 4-CALL ONLY DENS 5-DLY CALL ONLY 6-DLY CALL ONLY DENSITY 7-DLY CALL IMMED EXTEND 8-CARRY OVER 9-ADVISORY 1Ø-SAMPLING 11-SPECIAL -SEE NOTE-		
					CH 2	5	1	5-2	2	1	2-2	4	3	4-2	4	7	4-4							Exp	Z-6	4	CH 2			
					CH 3				6	1	6-1													Exp	—	6	CH 3			
					CH 4				6	1	6-2													Exp	4	8	CH 4			
					MODEL	602			604			602T			602T			602T						Exp		244	MODEL			
1	BLK/YEL	—	A	DC GROUND		382B																				NC	SPARE		A
2	RED	—	B	24V DC+		384B																				NC	SPARE		B
3	BLK/BLU	—	C	REMOTE RESET		597B																				NC	SPARE		C
	BRN	3	D-4	CH 1 LOOP		3Ø3A			345A			313A			355A			323A			365A			333A		3Ø1A	INPUT CH 1		D
	WHT/BRN	4	E-5	CH 1 LOOP		3Ø4A			346A			314A			356A			324A			366A			334A		379A	INPUT COMMON		E
5	ORANGE		6	ADDRESS BIT # Ø		619B			SA1-15			SA2-1Ø			SA3-15			SA4-15			SA5-1Ø			SA6-15		NC			
	WHT/BLU	5	F	CH 1 OUTPUT (+)		561B			563B			565B			567B			569B			571B			573B		577B	OUTPUT CH 1 (+)		F
	BLUE	6	H	CH 1 OUTPUT (-)		5Ø1B			5Ø5B			5Ø9B			513B			517B			521B			525B		529B	OUTPUT CH 1 (-)		H
	BLK/RED	7	J-8	CH 2 LOOP		3Ø6A			348A			316A			358A			326A			368A			336A		3Ø2A	INPUT CH 2		J
	BLK/WHT	8	K-9	CH 2 LOOP		3Ø7A			349A			317A			359A			327A			369A			337A		379B	INPUT COMMON		K
6	YELLOW		1Ø	ADDRESS BIT # 1		619A			SA1-6			SA3-6			SA4-6			SA4-1Ø			SA5-15			SA7-6		NC			
12	GREEN	—	L	CHASSIS GROUND		34ØA																				⟶	CHASSIS GROUND		L
15	WHITE	—	M	AC-		SA2-M																				⟶ 38ØB	AC-(NEUTRAL)		M
13	BLACK	—	N	115V AC+		SA2-N																				⟶ 381A	115V AC+		N
	ORANGE	9	P-13	LOOP CH 3		3Ø8A			35ØA			318A			36ØA			328A			37ØA			338A		343A	INPUT CH 3		P
	WHT/OR	1Ø	R-14	LOOP CH 3		3Ø9A			351A			319A			361A			329A			371A			339A		379B	INPUT COMMON		R
			15	ADDRESS BIT # 2		SA1-1Ø			SA2-6			SA2-15			SA3-1Ø			SA5-6			SA6-1Ø			SA7-1Ø		NC			
	WHT/GRY	11	S	CH 3 OUTPUT (+)		562B			564B			566B			568B			57ØB			572B			574B		579B	OUTPUT CH 3 (+)		S
	GREY	12	T	CH 3 OUTPUT (-)		5Ø3B			5Ø7B			51B			515B			519B			523B			527B		531B	OUTPUT CH 3 (-)		T
	YELLOW	13	U-17	CH 4 LOOP		311A			353A			321A			363A			331A			373A			341A		344A	INPUT CH 4		U
	WHT/YEL	14	V-18	CH 4 LOOP		312A			354A			322A			364A			332A			374A			342A		379A	INPUT COMMON		V
8	GREY		19	DATA TRANSMIT		62ØA																				NC			
10	VIOLET		21	DATA RECEIVE		62ØB																				NC			
	WHT/VIO	15	W	CH 2 OUTPUT (+)		6Ø1B			6Ø3B			6Ø5B			6Ø7B			6Ø9B			611B			613B		578B	OUTPUT CH 2 (+)		W
	VIOLET	16	X	CH 2 OUTPUT (-)		5Ø2B			5Ø6B			51ØB			514B			518B			522B			526B		53ØB	OUTPUT CH 2 (-)		X
	WHT/GRN	17	Y	CH 4 OUTPUT (+)		6Ø2B			6Ø4B			6Ø6B			6Ø8B			61ØB			612B			614B		58ØB	OUTPUT CH 4 (+)		Y
	WHT/BLK	18	Z	CH 4 OUTPUT (-)		5Ø4B			5Ø8B			512B			516B			52ØB			524B			528B		532B	OUTPUT CH 4 (-)		Z
	WHT/RED	1	1	CH 1 GREEN		554A			555A			556A			557A			558A			559A			56ØA		——	SPARE		
	RED	2	2	CH 2 GREEN		554B			555B			556B			557B			558B			559B			56ØB		——	SPARE		



REV. STATUS					
SHEET	1	2	3		
REV	A	A	A		

FOR: MNDOT

REV	DATE	REVISION

DATE 8/25/99
DRAWN MPD

ACT Electronics, Inc.

#52 AT 105TH AVE

TITLE: MNDOT 1999 "R" & "P" CABINET

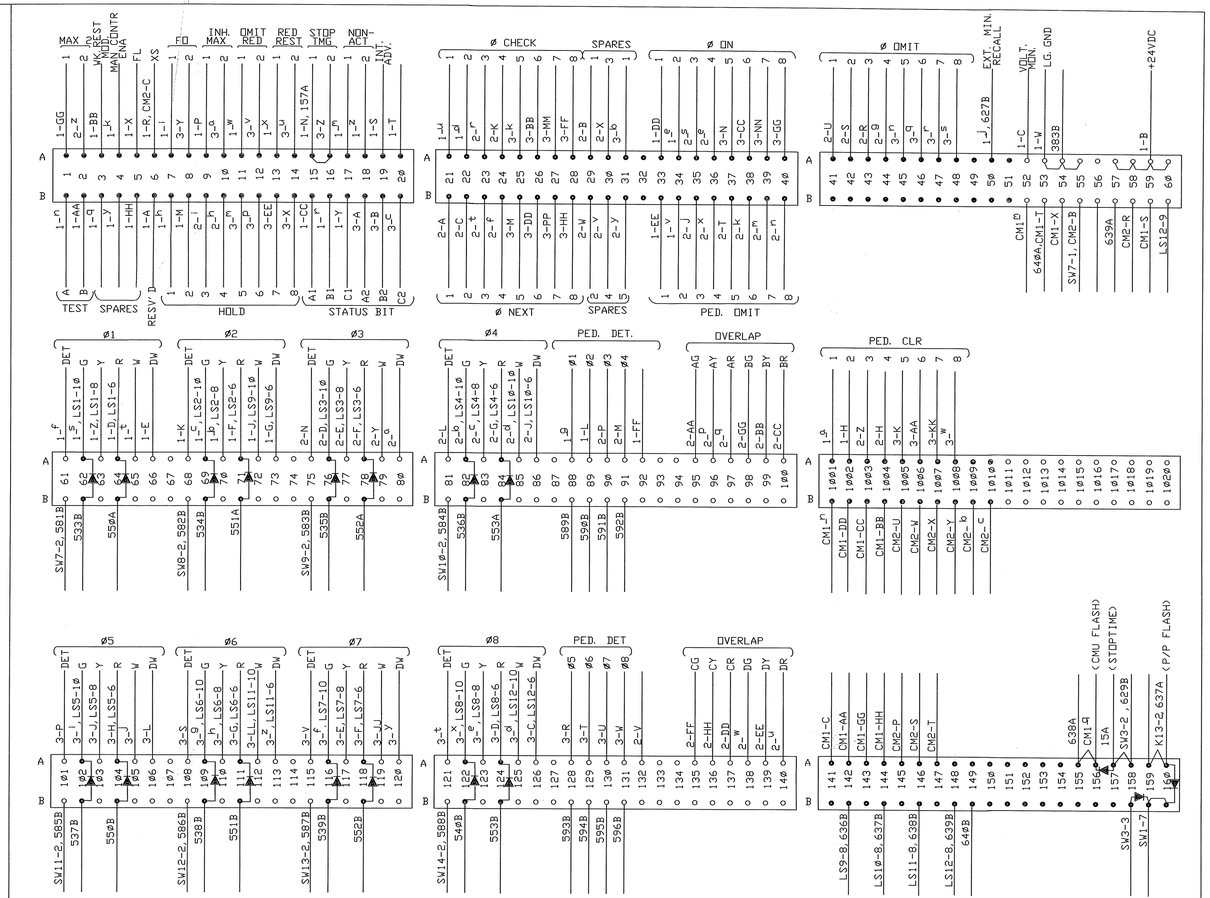
SIZE D | PART#

SCALE

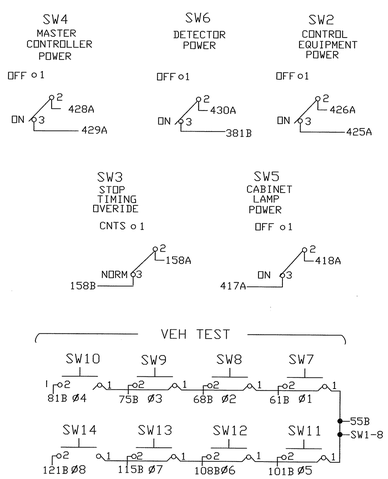
FILE: ACT99SP2 | REV A | SHEET 3 OF 3

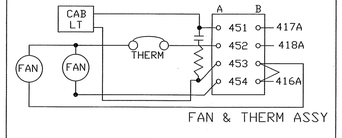
CONTROLLER INTERFACE PANEL

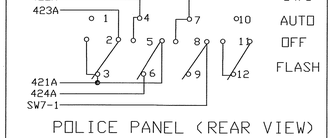
1		2		3	
SH	SHELL GROUND	1-V	A ø1 PHASE NEXT	21B	A STATUS BIT A2	18B
A	RESV.	6B	B SPARE 1	29A	B STATUS BIT B2	19B
B	24VDC+	59A	C ø2 PHASE NEXT	22B	C ø8 DWK	126A
C	VOLTAGE MONITOR	52A	D ø3 GRN	76A	D ø8 RED	124A
D	ø1 RED	64A	E ø3 YEL	77A	E ø7 YEL	117A
E	ø1 DWK	66A	F ø3 RED	78A	F ø7 RED	118A
F	ø2 RED	71A	G ø4 RED	84A	G ø6 RED	111A
G	ø2 DWK	73A	H ø4 PCL	1ø04A	H ø5 RED	104A
H	ø2 PCL	1ø02A	J ø4 DWK	86A	J ø5 YEL	103A
J	ø2 WK	72A	K ø4 CHECK	24A	K ø5 PCL	1ø05A
K	ø2 VEH DET	68A	L ø4 VEH DET	81A	L ø5 DWK	106A
L	ø2 PED DET	89A	M ø4 PED DET	91A	M ø5 PHASE NEXT	25B
M	ø2 HOLD	8B	N ø3 VEH DET	75A	N ø5 PHASE ON	37A
N	STOP TIMING 1	15A	P ø3 PED DET	90A	P ø5 VEH DET	101A
P	INHIBIT MAX TERM 1	9A	R ø3 PHASE OMIT	43A	R ø5 PED DET	128A
R	EXTERNAL START	6A	S ø2 PHASE OMIT	42A	S ø6 VEH DET	108A
S	INTERVAL ADVANCE	19A	T ø5 PED OMIT	37B	T ø6 PED DET	129A
T	INDICATOR LAMP CONT	20A	U ø1 PHASE OMIT	41A	U ø7 VEH DET	130A
U	AC- NEUTRAL	NB1	V PED RECYCLE 2	132A	V ø7 PED DET	115A
V	CHASSIS GROUND	GB1	W SPARE 2	29B	W ø8 PED DET	131A
W	LOGIC GROUND	53A	X SPARE 3	30A	X ø8 HOLD	14B
X	FLASH LOGIC OUT	5A	Y ø3 WK	79A	Y FORCE OFF 2	8A
Y	STATUS BIT C1	17B	Z ø3 PCL	1ø03A	Z STOP TIME 2	16A
Z	ø1 YEL	63A	a ø3 DWK	80A	a INHIBIT MAX TERM 2	10A
a	ø1 PCL	1ø01A	b ø4 GRN	82A	b SPARE 1	31A
b	ø2 YEL	70A	c ø4 YEL	83A	c STATUS BIT C2	20B
c	ø2 GRN	69A	d ø4 WALK	85A	d ø8 WK	125A
d	ø2 CHECK	22A	e ø4 PHASE ON	36A	e ø8 YEL	123A
e	ø2 PHASE ON	34A	f ø4 PHASE NEXT	24B	f ø7 GRN	116A
f	ø1 VEH DET	61A	g ø4 PHASE OMIT	44A	g ø6 GRN	109A
g	ø1 PED DET	88A	h ø4 HOLD	10B	h ø6 YEL	110A
h	ø1 HOLD	7B	i ø3 HOLD	9B	i ø5 GRN	102A
i	FORCE OFF 1	7A	j ø3 PED OMIT	35B	j ø5 WK	105A
j	EXT MIN RECALL ALL/ø	50A	k ø6 PED OMIT	38B	k ø5 CHECK	25A
k	MAN. CONTROL ENABLE	4A	m ø7 PED OMIT	39B	m ø5 HOLD	11B
m	CALL TO NON-ACT I	17A	n ø8 PED OMIT	40B	n ø5 PHASE OMIT	45A
n	TEST INPUT A	1B	P OL A YEL	96A	p ø6 HOLD	12B
p	AC+ CONTROL	846B	q OL A RED	97A	q ø6 PHASE OMIT	46A
q	SPARE 1	3B	r ø3 CHECK	23A	r ø7 PHASE OMIT	47A
r	STATUS BIT B1	16B	s ø3 PHASE ON	35A	s ø8 PHASE OMIT	48A
s	ø1 GRN	62A	t ø3 PHASE NEXT	23B	t ø8 VEH DET	121A
t	ø1 WK	65A	u OL D RED	140A	u RED REST MODE 2	14A
u	ø1 CHECK	21A	v SPARE 4	30B	v ØMIT RED CLR 2	12A
v	ø2 PED ØMIT	34B	w OL D GRN	138A	w ø8 PCL	1ø08A
w	ØMIT RED CLR	11A	x ø4 PED ØMIT	36B	x ø8 GRN	122A
x	RED REST MODE 1	13A	y SPARE 5	31B	y ø7 DWK	120A
y	SPARE 2	4B	z MAX 2 SELECT 2	2A	z ø6 DWK	113A
z	CALL TO NON-ACT II	18A	AA OL A GRN	95A	AA ø6 PCL	1ø06A
AA	TEST INPUT B	2B	BB OL B YEL	99A	BB ø6 CHECK	26A
BB	WALK REST MODIFIER	3A	CC OL B RED	100A	CC ø6 PHASE ON	38A
CC	STATUS BIT A1	15B	DD OL C RED	137A	DD ø6 PHASE NEXT	26B
DD	ø1 PHASE ON	33A	EE OL D YEL	139A	EE ø7 HOLD	13B
EE	ø1 PED ØMIT	33B	FF OL C GRN	135A	FF ø8 CHECK	28A
FF	PED RECYCLE 1	92A	GG OL B GRN	98A	GG ø8 PHASE ON	40A
GG	MAX 2 SELECT	1A	HH OL C YEL	136A	HH ø8 PHASE NEXT	28B
HH	SPARE 3	5B			JJ ø7 WK	119A
					KK ø7 PCL	1ø07A
					LL ø6 WK	112A
					MM ø7 CHECK	27A
					NN ø7 PHASE ON	39A
					PP ø7 PHASE NEXT	27B

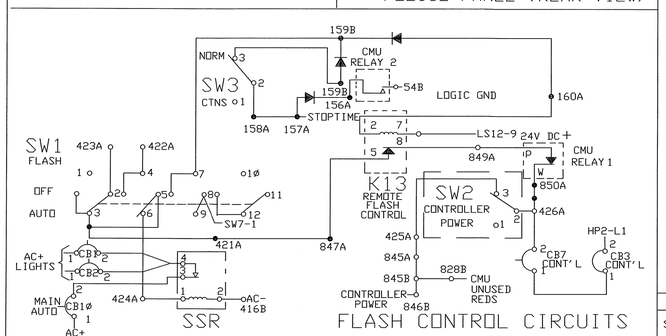


AUX PANEL (REAR VIEW)









REV. STATUS				
SHEET	1	2	3	
REV	A	A	A	

#52 AT 105TH AVE

REV	DATE	REVISION

DATE 11/24/98
DRAWN MPD

ACT Electronics, Inc.

TITLE: MNDOT 1998 "R" & "P" CABINET

SIZE D | PART#

SCALE

FOR: MNDOT

FILE ACT98RP2 | REV A | SHEET 2 OF 3