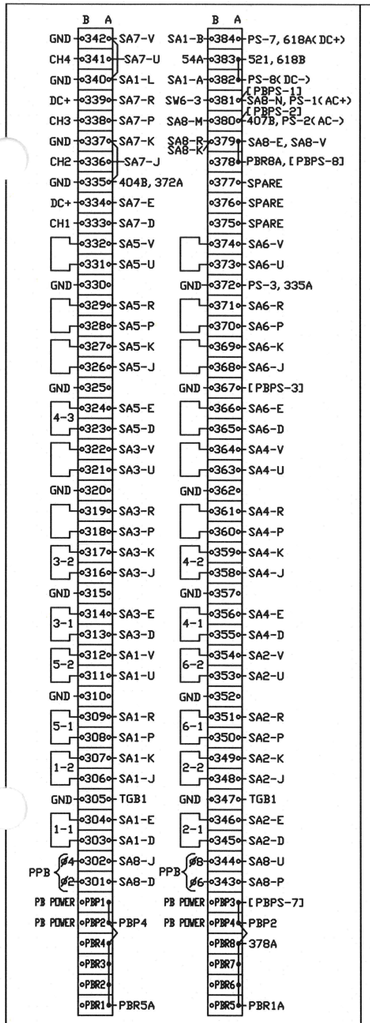
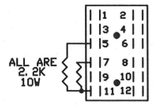


NOTES:
1. PED BUTTON RETURNS MUST BE TERMINATED AT PBR1-PBR8.
2. JUMPERS 335A-337A AND 340A-342A, ARE TO BE ADDED AS NEEDED FOR EVP.
3. 305, 310,315, 320, 325,330, 335, 340, 347, 352, 357, 362, 367 AND 372 ARE INTERCONNECTED BY THE MOUNTING RAIL.
4. [ ]=FUTURE CONNECTIONS FOR POWER SUPPLY TO SENSITOUCH PPB'S.

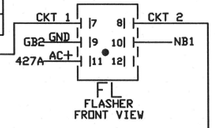
LOAD SWITCH PANEL ASSEMBLY

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

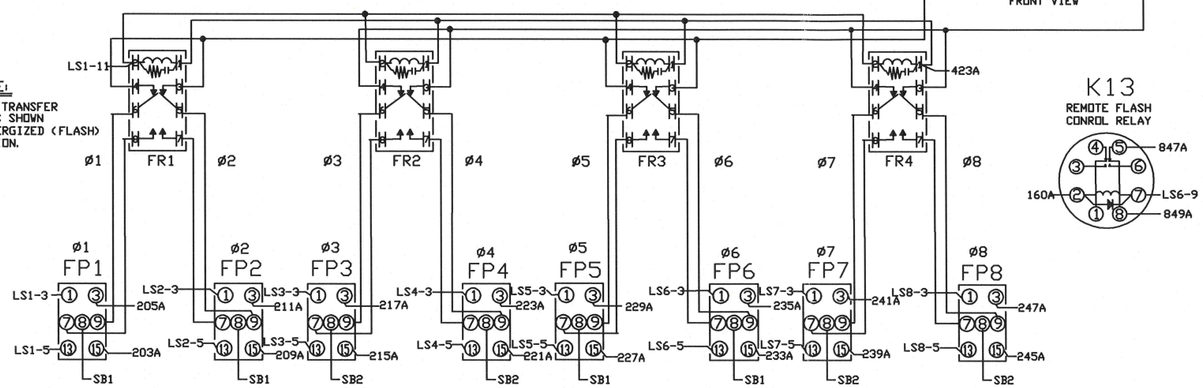
PED SOCKETS HAVE ONE RESISTOR FROM 11-7 ONLY.



TYPICAL ALL LOAD SWITCH BASES FRONT VIEW

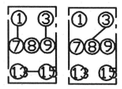


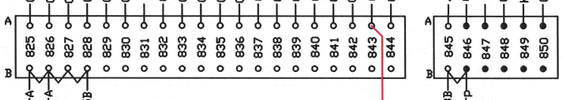
NOTE:
FLASH TRANSFER RELAYS SHOWN DE-ENERGIZED (FLASH) POSITION.

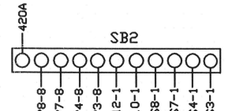


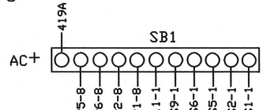
K13
REMOTE FLASH CONROL RELAY

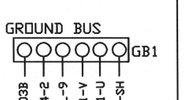
FLASH PLUG JUMPERING

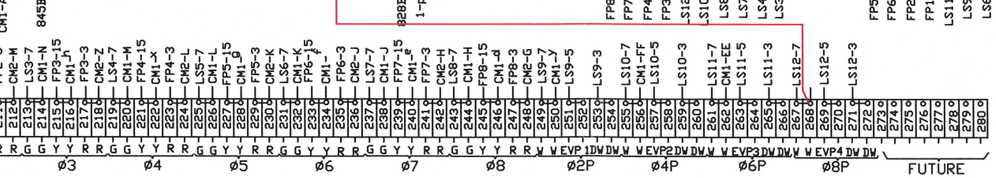




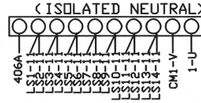








AC- BUS (ISOLATED NEUTRAL)



NEMA 12CH CONFLICT MONITOR

CM1

SH	SHELL GROUND	GB1
A	AC+ I	826B
B	RELAY 1 NO	848A
C	RELAY 2 NC	141A
D	CH 12 GRN	833A
E	CH 11 GRN	834A
F	CH 10 GRN	835A
G	CH 9 GRN	836A
H	CH 8 GRN ø8	244A
J	CH 7 GRN ø7	238A
K	CH 6 GRN ø6	232A
L	CH 5 GRN ø5	226A
M	CH 4 GRN ø4	220A
N	CH 3 GRN ø3	214A
P	CH 2 GRN ø2	208A
R	CH 1 GRN ø1	202A
S	+24V MONITOR I	59B
T	LOGIC GROUND	53B
U	CHASSIS GROUND	SHELL
V	AC-(NEUTRAL)	NB1
W	RELAY 1 COMMON(AC+)	850A
X	RELAY 2 COMMON (LG)	54B
Y	CH 12 YEL	829A
Z	CH 11 YEL	830A
a	CH 10 WK	839A
b	CH 10 YEL	831A
c	CH 9 YEL	832A
d	CH 8 YEL ø8	246A
e	CH 7 YEL ø7	240A
f	CH 6 YEL ø6	234A
g	CH 5 YEL ø5	228A
h	CH 3 YEL ø3	216A
i	CH 3 WK	843A
j	CH 2 YEL ø2	210A
k	CH 1 YEL ø1	204A
m	CONT. VOLT. MON.	52B
n	+24V MONITOR INHIBIT	1001B
p	RELAY 1 NC	849A
q	RELAY 2 NO	156A
r	CH 12 WK	837A
s	CH 11 WK	838A
t	CH 9 WK	840A
u	CH 8 WK ø8	268A
v	CH 7 WK	841A
w	CH 5 WK	842A
x	CH 4 YEL ø4	222A
y	CH 2 WK ø2	250A
z	CH 1 WK	844A
AA	SPARE 1	142A
BB	RESET	1004B
CC	CAB INTERLOCK A	1003B
DD	CAB INTERLOCK B	1002B
EE	CH 6 WK ø6	262A
FF	CH 4 WK ø4	256A
GG	SPARE 2	143A
HH	SPARE 3	144A

CM2

A	AC+ II	825B
B	DELAY RELAY COMM	55B
C	DELAY RELAY NO	6A
D	CH 12 RED	825A
E	CH 11 RED	826A
F	CH 9 RED	828A
G	CH 8 RED ø8	248A
H	CH 7 RED ø7	242A
J	CH 6 RED ø6	236A
K	CH 5 RED ø5	230A
L	CH 4 RED ø4	224A
M	CH 2 RED ø2	212A
N	CH 1 RED ø1	206A
P	SPARE 1	145A
R	+24V MONITOR II	58B
S	SPARE 2	146A
T	SPARE 3	147A
U	DELAY RELAY NC	1005B
V	CH 10 RED	827A
W	SPARE 4	1006B
X	SPARE 5	1007B
Y	SPARE 6	1008B
Z	CH 3 RED ø3	218A
a	RED ENABLE	846A
b	SPARE 7	1009B
c	SPARE 8	1010B

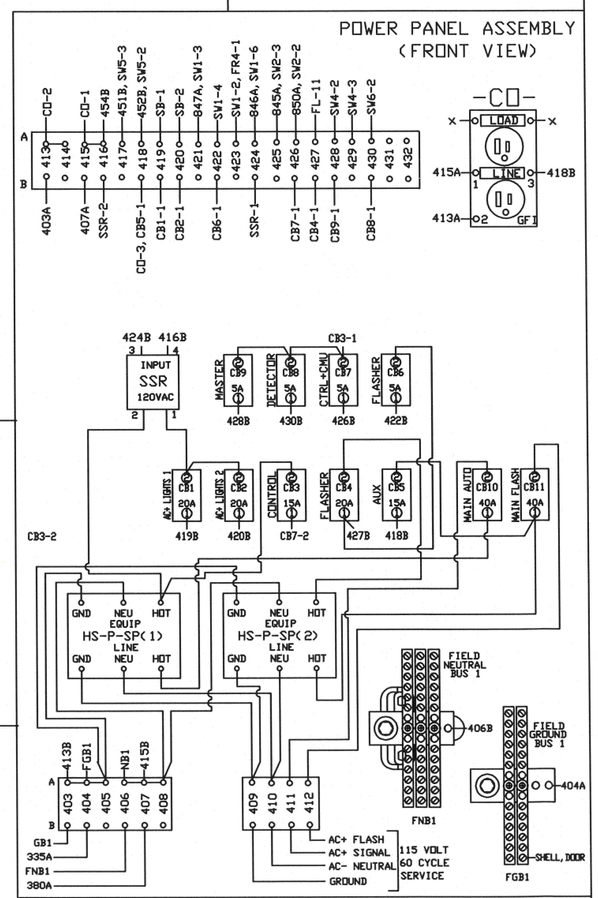
CONFLICT MONITOR MATRIX PROGRAMMING INSTRUCTIONS

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 CH5-ø 5
CH2-ø 2 CH6-ø 6
CH3-ø 3 CH7-ø 7
CH4-ø 4 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	ND-36		
POUND INCHES	35		

EVP TYPICAL SENSOR WIRE COLORS

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

EVP SENSORS

CABLE	DISCR. CHAN.	PHASES	POLE#	TERMINAL SIGNAL	TERMINAL DC(+)	TERMINAL GND
16	1	1-6	1	333	334	337
17	2	2-5	3	336	334	337
18	4	4	4	341	339	342

EVP VERIFY LIGHTS

CABLE	CONTR. CHAN.	PHASES	POLE#	TERM
19	3	1-6	1	251
20	4	2-5	3	257
21	6	4	4	269

VEHICLE SIGNALS

CABLE	SIGNAL	TERMINAL G←	TERMINAL Y←	TERMINAL R←	TERMINAL G	TERMINAL Y	TERMINAL R
1	1-1	201	203	205			
9	1-2	202	204	206			
6, 5	2-1, 2-3				207	209	211
6	2-2				208	210	212
4	3-1				213	215	217
3	3-2				214	216	218
8, 7	4-1, 4-3				219	221	223
8	4-2				220	222	224
5	5-1	225	227	229			
4	5-2	226	228	230			
2, 1	6-1, 6-3				231	233	235
2	6-2				232	234	236

SIGNAL HEAD NEUTRALS TO BE TERMINATED ON FNB1

VEH DETECTORS

CABLE	DET	TERMINAL
27	1-1	303, 304
28	1-2	306, 307
33	2-1	345, 346
34	2-2	348, 349
31	3-1	313, 314
32	3-2	316, 317
26	4-1	355, 356
24	4-2	358, 359
25	4-3	323, 324
22	5-1	308, 309
23	5-2	311, 312
29	6-1	350, 351
30	6-2	353, 354

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

PED PUSHBUTTONS

CABLE	PPB	TERMINAL	RETURN
15	PB2-1	301	PBP1
14	PB2-2	301	PBP1
10	PB4-1	302	PBP2
15	PB4-2	302	PBP2
11	PB6-1	343	PBP3
10	PB6-2	343	PBP3
14	PB3-1	344	PBP4
11	PB3-2	344	PBP4

VEH DETECTORS

CABLE	DET	TERMINAL

PED SIGNALS

CABLE	SIGNAL	TERMINAL WK	TERMINAL DW
8	P2-1	249	253
7	P2-2	250	254
3	P4-1	255	259
9	P4-2	256	260
13	P6-1	261	265
2	P6-2	262	266
6	P3-1	267	271
12	P3-2	268	272

PED HEAD NEUTRALS TO BE TERMINATED ON FNB1

REV	DATE	REVISION

DATE 10/30/98
DRAWN MPD

ACT Electronics, Inc.

CSAH#9 AT CSAH#20 S.

TITLE
MNDOT 2002 "R" & "P" CABINET

REV. STATUS						
SHEET	1	2	3			
REV						

SIZE D PART# FSN

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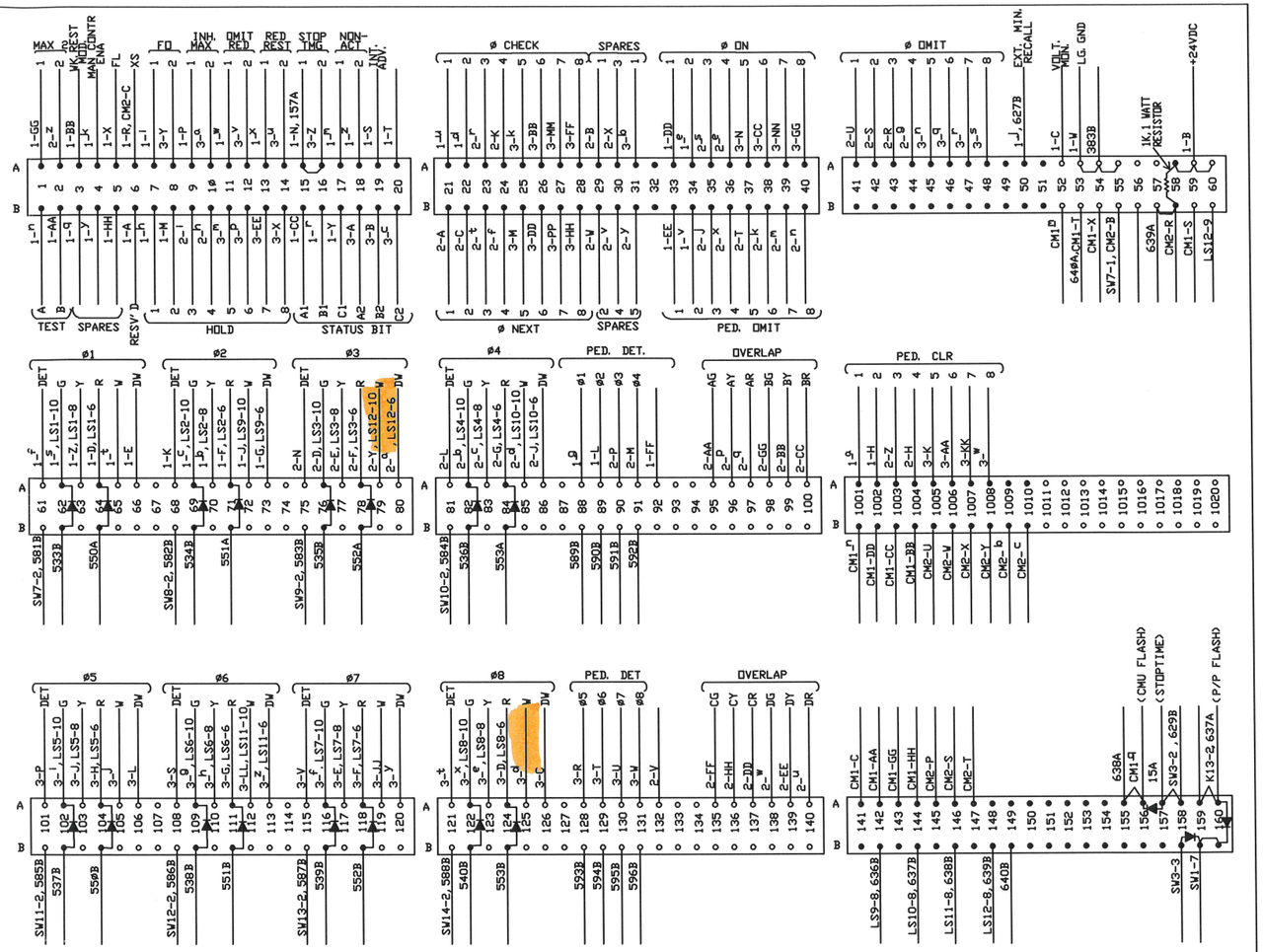
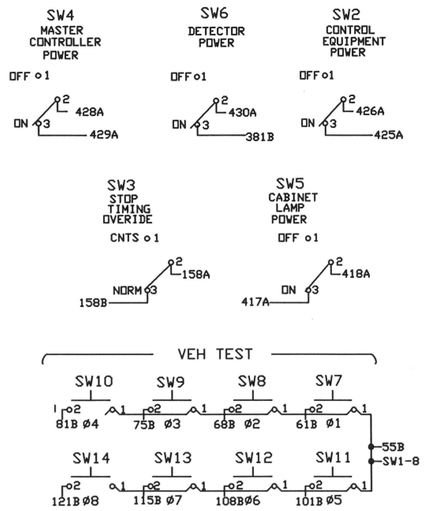
SCALE
FILE ACTSHRP1
REV
SHEET 1 OF 3

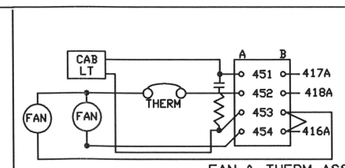
CONTROLLER INTERFACE PANEL

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	1004A	H | ø5 RED	104A
H	ø2 PCL	1002A	J | ø4 DWK	86A	J | ø5 YEL	103A
J	ø2 WK	72A	K | ø4 CHECK	24A	K | ø5 PCL	1005A
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 PED DET	130A
U	AC- NEUTRAL	NB1	V | PED RECYCLE 2	132A	V | ø7 VEH 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	1003A	Z | STOP TIME 2	16A
Z	ø1 YEL	63A	a | ø3 DWK	80A	a | INHIBIT MAX TERM 2	10A
a	ø1 PCL	1001A	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 1	17A	n | ø8 PED OMIT	40B	n | ø5 PHASE OMIT	45A
n	TEST INPUT A	1B	p | DL A YEL	96A	p | ø6 HOLD	12B
p	AC+ CONTROL	846B	q | DL 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 | DL D RED	140A	u | RED REST MODE 2	14A
u	ø1 CHECK	21A	v | SPARE 4	30B	v | OMIT RED CLR 2	12A
v	ø2 PED OMIT	34B	w | DL D GRN	138A	w | ø8 PCL	1008A
w	OMIT RED CLR	11A	x | ø4 PED OMIT	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 | DL A GRN	95A	AA | ø6 PCL	1006A
AA	TEST INPUT B	2B	BB | DL B YEL	99A	BB | ø6 CHECK	26A
BB	WALK REST MODIFIER	3A	CC | DL B RED	100A	CC | ø6 PHASE ON	38A
CC	STATUS BIT A1	15B	DD | DL C RED	137A	DD | ø6 PHASE NEXT	26B
DD	ø1 PHASE ON	33A	EE | DL D YEL	139A	EE | ø7 HOLD	13B
EE	ø1 PED OMIT	33B	FF | DL C GRN	135A	FF | ø8 CHECK	28A
FF	PED RECYCLE 1	92A	GG | DL B GRN	98A	GG | ø8 PHASE ON	40A
GG	MAX 2 SELECT	1A	HH | DL C YEL	136A	HH | ø8 PHASE NEXT	28B
HH	SPARE 3	5B			JJ | ø7 WK	119A
					KK | ø7 PCL	1007A
					LL | ø6 WK	112A
					MM | ø7 PHASE ON	27A
					NN | ø7 PHASE NEXT	39A
					PP | ø7 PHASE NEXT	27B

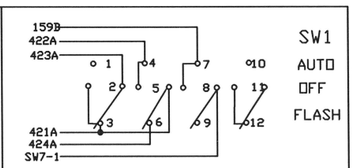


AUX PANEL (REAR VIEW)

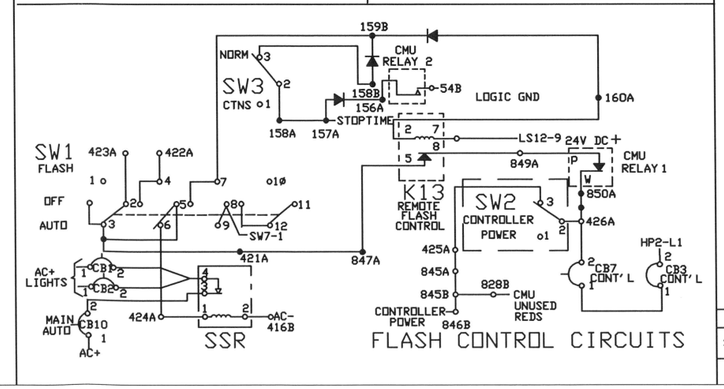




FAN & THERM ASSY



POLICE PANEL (REAR VIEW)



REV.	STATUS
SHEET	1 2 3
REV	

CSAH#9 AT CSAH#20 S.

REVISION

REV	DATE
DATE	10/31/18
DRAWN	MPD

ACT Electronics, Inc.

TITLE: MNDOT 2002 'R' & 'P' CABINET

SIZE D | PART#

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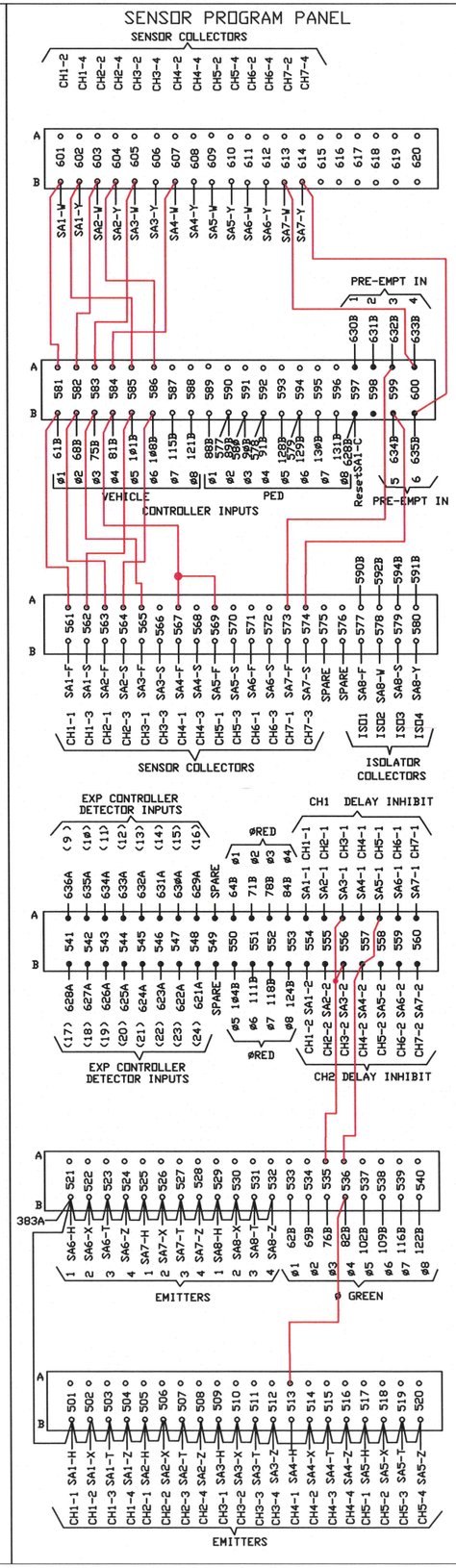
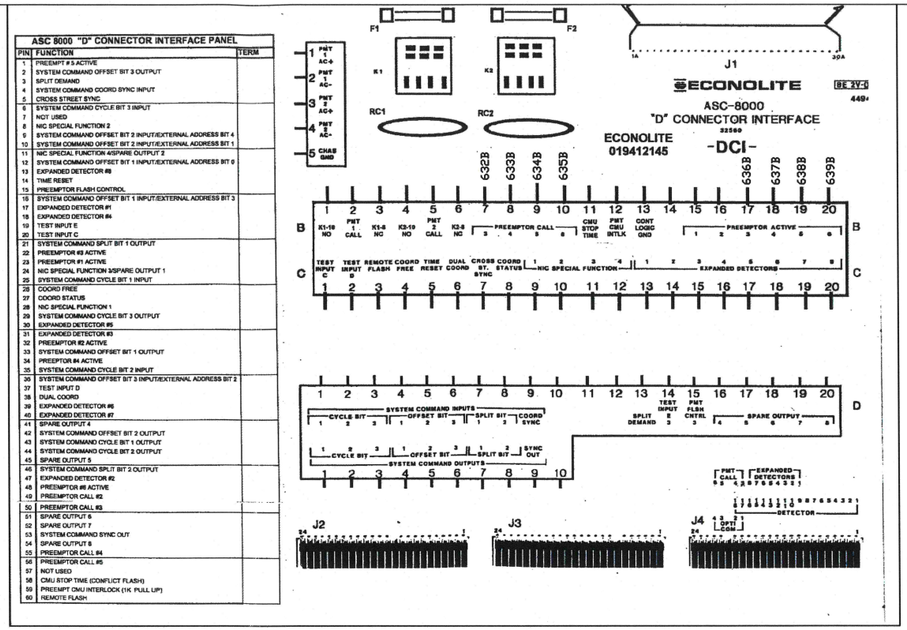
FILE: ACT80PPR | REV | SCALE | SHEET 2 OF 3

SENSOR PROGRAM PANEL

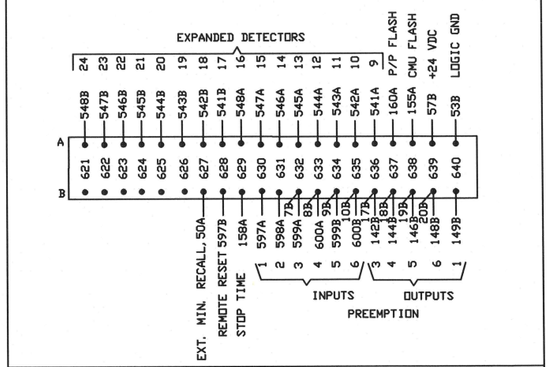


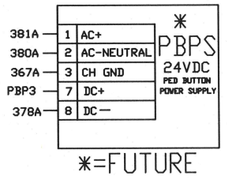
ASC 8000 "D" CONNECTOR INTERFACE PANEL

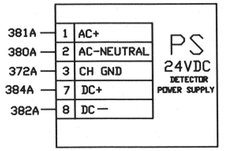
PIN	FUNCTION	TERM
1	PREEMPT #3 ACTIVE	
2	SYSTEM COMMAND OFFSET BIT 3 OUTPUT	
3	SPLIT DEMAND	
4	SYSTEM COMMAND COORD SYNC INPUT	
5	CROSS STREET SYNC	
6	SYSTEM COMMAND CYCLE BIT 3 INPUT	
7	NOT USED	
8	NIC SPECIAL FUNCTION 2	
9	SYSTEM COMMAND OFFSET BIT 2 INPUT/EXTERNAL ADDRESS BIT 4	
10	SYSTEM COMMAND OFFSET BIT 2 INPUT/EXTERNAL ADDRESS BIT 1	
11	NIC SPECIAL FUNCTION 4/SPARE OUTPUT 2	
12	SYSTEM COMMAND OFFSET BIT 1 INPUT/EXTERNAL ADDRESS BIT 0	
13	EXPANDED DETECTOR #8	
14	TIME RESET	
15	PREEMPTOR FLASH CONTROL	
16	SYSTEM COMMAND OFFSET BIT 1 INPUT/EXTERNAL ADDRESS BIT 3	
17	EXPANDED DETECTOR #1	
18	EXPANDED DETECTOR #4	
19	TEST INPUT B	
20	TEST INPUT C	
21	SYSTEM COMMAND SPLIT BIT 1 OUTPUT	
22	PREEMPTOR #3 ACTIVE	
23	PREEMPTOR #1 ACTIVE	
24	NIC SPECIAL FUNCTION 3/SPARE OUTPUT 1	
25	SYSTEM COMMAND CYCLE BIT 1 INPUT	
26	COORD FREE	
27	COORD STATUS	
28	NIC SPECIAL FUNCTION 1	
29	SYSTEM COMMAND CYCLE BIT 3 OUTPUT	
30	EXPANDED DETECTOR #5	
31	EXPANDED DETECTOR #3	
32	PREEMPTOR #2 ACTIVE	
33	SYSTEM COMMAND OFFSET BIT 1 OUTPUT	
34	PREEPTOR #4 ACTIVE	
35	SYSTEM COMMAND CYCLE BIT 2 INPUT	
36	SYSTEM COMMAND OFFSET BIT 3 INPUT/EXTERNAL ADDRESS BIT 2	
37	TEST INPUT D	
38	DUAL COORD	
39	EXPANDED DETECTOR #6	
40	EXPANDED DETECTOR #7	
41	SPARE OUTPUT 4	
42	SYSTEM COMMAND OFFSET BIT 2 OUTPUT	
43	SYSTEM COMMAND CYCLE BIT 1 OUTPUT	
44	SYSTEM COMMAND CYCLE BIT 2 OUTPUT	
45	SPARE OUTPUT 5	
46	SYSTEM COMMAND SPLIT BIT 2 OUTPUT	
47	EXPANDED DETECTOR #2	
48	PREEMPTOR #6 ACTIVE	
49	PREEMPTOR CALL #2	
50	PREEMPTOR CALL #3	
51	SPARE OUTPUT 6	
52	SPARE OUTPUT 7	
53	SYSTEM COMMAND SYNC OUT	
54	SPARE OUTPUT 8	
55	PREEMPTOR CALL #4	
56	PREEMPTOR CALL #5	
57	NOT USED	
58	CMU STOP TIME (CONFLICT FLASH)	
59	PREEMPT CMU INTERLOCK (HI, PULL UP)	
60	REMOTE FLASH	



4th CONNECTOR TERMINATION BLOCK







SA

DETECTORS AND PPB ISOLATION

MAIN I/O BLOCK	WIRE COLOR	SA I/O BLOCK	EDGE CONN.			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 POLE	SA7 CONTR. CH	SA8 PPB ISOLATION PHASE	FUNCTIONS 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 INMED EXT. 8-CARRY OVER 9-ADVISORY 10-SAMPLING 11-EVP/SPECIAL		PED ISOLATOR PIN
	⊕SA1 THROUGH SA7 ARE WIRED TO ACCEPT VEH DET. OR EVP DISCRIMINATOR OR PPB ISOLATOR.			☒Pin 10 of the edge conn. can be jumpered for use as CH4 delay inhibit. Jumpering will disable addressing.	CH 1	1	1	1-1	2	1	2-1	3	7	3-1	4	3/8	4-1	4	7	4-3							1-6	EVP	1	3	2		CH 1	A
					CH 2	1	1	1-2	2	1	2-2	3	7	3-2	4	7	4-2							2-5	EVP	3	4	4		CH 2	B
					CH 3	5	1	5-1	6	1	6-1																	6		CH 3	C
					CH 4	5	1	5-2	6	1	6-2																	8		CH 4	D
					MODEL	604			604			602T			602T			602T						EVP				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		303A			345A			313A			355A			323A			365A			333A				301A	INPUT CH 1		D
	WHT/BRN	4	E-5	CH 1 LOOP		304A			346A			314A			356A			324A			366A			334A				379A	INPUT COMMON		E
			6	ADDRESS BIT#0					SA1-15			SA2-10			SA3-15			SA4-15			SA5-10			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 (-)		501B			505B			509B			513B			517B			521B			525B				529B	OUTPUT CH 1 (-)		H
	BLK/RED	7	J-8	CH 2 LOOP		306A			348A			316A			358A			326A			368A			336A				302A	INPUT CH 2		J
	BLK/WHT	8	K-9	CH 2 LOOP		307A			349A			317A			359A			327A			369A			337A				379B	INPUT COMMON		K
			10	ADDRESS BIT# 1					SA1-6			SA3-6			SA4-6			SA4-10			SA5-15			SA7-6				NC			
12	GREEN	—	L	CHASSIS GROUND		340A																							CHASSIS GROUND		L
15	WHITE	—	M	AC-		SA2-M																						380B	AC-(NEUTRAL)		M
13	BLACK	—	N	115V AC+		SA2-N																						381A	115V AC+		N
	ORANGE	9	P-13	LOOP CH 3		308A			350A			318A			360A			328A			370A			338A				343A	INPUT CH 3		P
	WHT/OR	10	R-14	LOOP CH 3		309A			351A			319A			361A			329A			371A			339A				379B	INPUT COMMON		R
			15	ADDRESS BIT#2		SA1-10			SA2-6			SA2-15			SA3-10			SA5-6			SA6-10			SA7-10				NC			
	WHT/GRY	11	S	CH 3 OUTPUT (+)		562B			564B			566B			568B			570B			572B			574B				579B	OUTPUT CH 3 (+)		S
	GREY	12	T	CH 3 OUTPUT (-)		503B			507B			511B			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
			19	DATA TRANSMIT																								NC			
			21	DATA RECEIVE																								NC			
	WHT/VIO	15	W	CH 2 OUTPUT (+)		601B			603B			605B			607B			609B			611B			613B				578B	OUTPUT CH 2 (+)		W
	VIOLET	16	X	CH 2 OUTPUT (-)		502B			506B			510B			514B			518B			522B			526B				530B	OUTPUT CH 2 (-)		X
	WHT/GRN	17	Y	CH 4 OUTPUT (+)		602B			604B			606B			608B			610B			612B			614B				580B	OUTPUT CH 4 (+)		Y
	WHT/BLK	18	Z	CH 4 OUTPUT (-)		504B			508B			512B			516B			520B			524B			528B				532B	OUTPUT CH 4 (-)		Z
	WHT/RED	1	1	CH 1 GREEN		554A			555A			556A			557A			558A			559A			560A				——	SPARE		
	RED	2	2	CH 2 GREEN		554B			555B			556B			557B			558B			559B			560B				——	SPARE		

REV	DATE	REVISION

ACT Electronics, Inc.

DATE 10/31/01
DRAWN HPD

CSAH #9 AT CSAH #20 S.

TITLE: MNDOT 2002 'R' & 'P' CABINET

SIZE D | PART#

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SCALE | FILE: ACT8DP3 | REV | SHEET 3 OF 3

REV. STATUS

SHEET	1	2	3			
REV						

FOR: MNDOT