CONTROLLER INTERFACE PANEL

P1

SH		
A	SHELL GROUND	GB3
B	RESV.	6B
C	24V DC+	59A
D	VOLTAGE MONITOR	54A
E	Ø 1 RED	64A
F	Ø 1 DWK	66A
G	Ø 2 RED	71A
H	Ø 2 DWK	73A
J	Ø 2 PCL	142A
K	Ø 2 WK	72A
L	Ø 2 VEH DET	68A
M	Ø 2 PED DET	89A
N	Ø 2 HOLD	8B
P	STOP TIMING I	15A
R	INHIBIT MAX TERM I	9A
S	EXTERNAL START	6A
T	INTERVAL ADVANCE	19A
U	INDICATOR LAMP CONT	20A
V	AC- COMMON	NB3
W	CHASSIS GROUND	GB3
X	LOGIC GROUND	55A
Y	FLASH LOGIC OUT	5A
Z	STATUS BIT C1	17B
a	Ø 1 YEL	63A
b	Ø 1 PCL	141A
c	Ø 2 YEL	70A
d	Ø 2 GRN	69A
e	Ø 2 CHECK	22A
f	Ø 2 PHASE ON	34A
g	Ø 1 VEH DET	61A
h	Ø 1 PED DET	88A
i	Ø 1 HOLD	7B
j	FORCE OFF 1	7A
k	EXT MIN RECALL ALL Ø	50A
m	MAN. CONTROL ENABLE	4A
n	CALL TO NON-ACT 1	17A
p	TEST INPUT A	1B
q	AC+ CONTROL	846B
r	SPARE 1	3B
s	STATUS BIT B1	16B
t	Ø 1 GRN	62A
u	Ø 1 WK	65A
v	Ø 1 CHECK	21A
w	Ø 2 PED OMIT	34B
x	OMIT RED CLR	11A
y	RED REST MODE 1	13A
z	SPARE 2	4B
AA	CALL TO NON-ACT II	18A
BB	TEST INPUT B	2B
CC	WALK REST MODIFIER	3A
DD	STATUS BIT A1	15B
EE	Ø 1 PHASE ON	33A
FF	Ø 1 PED OMIT	33B
GG	PED RECYCLE	92A
HH	MAX 2 SELECT	1A
	SPARE 3	5B

P2

SH		
A	SHELL GROUND	GB3
B	Ø 1 PHASE NEXT	21B
C	SPARE 1	29A
D	Ø 2 PHASE NEXT	22B
E	Ø 3 GRN	76A
F	Ø 3 YEL	77A
G	Ø 3 RED	78A
H	Ø 4 RED	84A
J	Ø 4 PCL	144A
K	Ø 4 DWK	86A
L	Ø 4 CHECK	24A
M	Ø 4 VEH DET	81A
N	Ø 4 PED DET	91A
P	Ø 3 VEH DET	75A
R	Ø 3 PED DET	90A
S	Ø 3 PHASE OMIT	43A
T	Ø 2 PHASE OMIT	42A
U	Ø 5 PED OMIT	37B
V	Ø 1 PHASE OMIT	41A
W	PED RECYCLE 2	132A
X	SPARE 2	29B
Y	SPARE 3	30A
Z	Ø 3 WK	79A
a	Ø 3 PCL	143A
b	Ø 3 DWK	80A
c	Ø 4 GRN	82A
d	Ø 4 YEL	83A
e	Ø 4 PHASE ON	85A
f	Ø 4 PHASE NEXT	36A
g	Ø 4 PHASE OMIT	24B
h	Ø 4 HOLD	44A
i	Ø 3 HOLD	10B
j	Ø 3 PED OMIT	9B
k	Ø 6 PED OMIT	35B
m	Ø 7 PED OMIT	38B
n	Ø 8 PED OMIT	39B
p	OL A YEL	40B
q	OL A RED	96A
r	Ø 3 CHECK	97A
s	Ø 3 PHASE ON	23A
t	Ø 3 PHASE NEXT	35A
u	OL D RED	23B
v	SPARE 4	140A
w	OL D GRN	30B
x	Ø 4 PED OMIT	138A
y	SPARE 5	36B
z	MAX 2 SELECT 2	31B
AA	OL A GRN	2A
BB	OL B YEL	95A
CC	OL B RED	99A
DD	OL C RED	100A
EE	OL D YEL	137A
FF	OL C GRN	139A
GG	OL B GRN	135A
HH	OL C YEL	98A

P3

SH		
A	SHELL GROUND	GB3
B	STATUS BIT A 2	18B
C	STATUS BIT B 2	19B
D	Ø 8 DWK	126A
E	Ø 8 RED	124A
F	Ø 7 YEL	117A
G	Ø 7 RED	118A
H	Ø 6 RED	111A
J	Ø 5 YEL	103A
K	Ø 5 PCL	145A
L	Ø 5 DWK	106A
M	Ø 5 PHASE NEXT	25B
N	Ø 5 PHASE ON	37A
P	Ø 5 VEH DET	101A
R	Ø 5 PED DET	128A
S	Ø 6 VEH DET	108A
T	Ø 6 PED DET	129A
U	Ø 7 PED DET	130A
V	Ø 7 VEH DET	115A
W	Ø 8 PED DET	131A
X	Ø 8 HOLD	14B
Y	FORCE OFF 2	8A
Z	STOP TIME 2	16A
a	INHIBIT MAX TERM 2	10A
b	SPARE 1	31A
c	STATUS BIT C 2	20B
d	Ø 8 WK	125A
e	Ø 8 YEL	123A
f	Ø 7 GRN	116A
g	Ø 6 GRN	109A
h	Ø 6 YEL	110A
j	Ø 5 GRN	102A
k	Ø 5 WK	105A
m	Ø 5 CHECK	25A
n	Ø 5 HOLD	11B
p	Ø 5 PHASE OMIT	45A
q	Ø 6 PHASE OMIT	12B
r	Ø 7 PHASE OMIT	46A
s	Ø 8 PHASE OMIT	47A
t	Ø 8 VEH DET	48A
u	RED REST MODE 2	121A
v	OMIT RED CLR 2	14A
w	Ø 8 PCL	12A
x	Ø 8 GRN	148A
y	Ø 7 DWK	122A
z	Ø 6 DWK	120A
AA	Ø 6 PCL	113A
BB	Ø 6 CHECK	146A
CC	Ø 6 PHASE ON	26A
DD	Ø 6 PHASE NEXT	38A
EE	Ø 7 HOLD	26B
FF	Ø 8 CHECK	13B
GG	Ø 8 PHASE ON	28A
HH	Ø 8 PHASE NEXT	40A
JJ	Ø 7 WK	28B
KK	Ø 7 PCL	119A
LL	Ø 6 WK	147A
MM	Ø 7 CHECK	112A
NN	Ø 7 PHASE ON	27A
PP	Ø 7 PHASE NEXT	39A

1	SPLIT (B) IN	658A
2	SYNC IN	662A
3	CALL DET A	671A
4	SPLIT (A) IN	657A
5	CALL DET D	674A
6	CALL DET C	673A
7	CYCLE B IN	652A
8	CYCLE A IN	651A
9	OFFSET 1 IN	665A
10	OFFSET 2 IN	666A
11	OFFSET 3 IN	667A
12	PREEMPT 5 IN	676A
13	PREEMPT 1 IN	681A
14	PREEMPT 2 IN	682A
15	PREEMPT 3 IN	683A
16	PREEMPT 4 IN	684A
17	FLASH STATUS OUT	679A
18	CHASSIS GROUND	689A
19	N/C	675B
20	MASTER SELECT IN	675A
21	CALL DET B IN	672A
22	RTC DISABLE	678A
23	PREEMPT 2 OUT	686A
24	PREEMPT 3 OUT	687A
25	SPARE 6 OUT	685B
26	OFFSET 3 OUT	670A
27	R12 STATUS OUT	669B
28	OFFSET 2 OUT	669A
29	SPARE 5 OUT	686B
30	R34 STATUS OUT	670B
31	SYNC OUT	661B
32	CYCLE B OUT	654A
33	FREE STATUS OUT	677B
34	LOGIC GND	690A
35	N/C	676B
36	FLASH (MUTCD) IN	656A
37	EXT. RESYNC. IN	664B
38	FREE IN	655A
39	PREEMPT 1 OUT	685A
40	PREEMPT 4 OUT	688A
41	PREEMPT 5 OUT	677A
42	OFFSET 1 OUT	668A
43	SPLIT A OUT	659A
44	SPLIT B OUT	660A
45	SF 1 OUT	680A
46	SF 2 OUT	661A
47	SPARE OUT	663B
48	R78 STATUS OUT	664A
49	R56 STATUS OUT	663A
50	CYCLE A OUT	653A

NEMA 12L CONFLICT MONITOR

CMI

SH		
A	SHELL GROUND	GB3
B	AC+ 1	826B
C	RELAY 1 NO	156A
D	RELAY 2 NC	149A
E	CH 12 GRN	833A
F	CH 11 GRN	834A
G	CH 10 GRN	835A
H	CH 9 GRN	836A
J	CH 8 GRN Ø8	246A
K	CH 7 GRN Ø7	240A
L	CH 6 GRN Ø6	234A
M	CH 5 GRN Ø5	228A
N	CH 4 GRN Ø4	222A
P	CH 3 GRN Ø3	216A
R	CH 2 GRN Ø2	210A
S	CH 1 GRN Ø1	204A
T	+24 MONITOR	58B
U	LOGIC GROUND	55B
V	CHASSIS GROUND	SHELL
W	AC-	NB3
X	RELAY 1 COMMON (AC+)	850A
Y	RELAY 2 COMMON (LG)	56B
Z	CH 12 YEL	829A
a	CH 11 YEL	830A
b	CH 10 WK	839A
c	CH 10 YEL	831A
d	CH 9 YEL	832A
e	CH 8 YEL Ø8	LS8-5
f	CH 7 YEL Ø7	LS7-5
g	CH 6 YEL Ø6	LS6-5
h	CH 5 YEL Ø5	LS5-5
j	CH 4 YEL Ø4	LS4-5
k	CH 3 YEL Ø3	LS3-5
m	CH 3 WK	843A
n	CH 2 YEL Ø2	LS2-5
p	CH 1 YEL Ø1	LS1-5
q	CONT. VOLT. MON.	54B
r	+24V MONITOR INHIBIT	149B
s	RELAY 1 NC	849A
t	RELAY 2 NO	158A
u	CH 12 WK	837A
v	CH 11 WK	838A
w	CH 9 WK	840A
x	CH 8 WK Ø8	271A
y	CH 7 WK Ø7	841A
z	CH 6 WK Ø6	842A
AA	CH 5 WK Ø5	LS4-5
BB	CH 4 WK Ø4	253A
CC	CH 3 WK Ø3	844A
DD	CH 2 WK Ø2	150A
EE	CH 1 WK Ø1	152B
FF	SPARE 1	151B
GG	RESET	150B
HH	CAB. INTERLOCK A	265A
JJ	CAB. INTERLOCK B	259A
KK	CH 6 WK Ø6	151A
LL	CH 4 WK Ø4	152A
MM	SPARE 2	
NN	SPARE 3	

CM2

SH		
A	SHELL GROUND	GB3
B	AC+ 11	825B
C	DELAY RELAY COMM	57B
D	DELAY RELAY NO	6A
E	CH 12 RED	825A
F	CH 11 RED	826A
G	CH 9 RED	828A
H	CH 8 RED Ø8	248A
J	CH 7 RED Ø7	242A
K	CH 6 RED Ø6	236A
L	CH 5 RED Ø5	230A
M	CH 4 RED Ø4	224A
N	CH 2 RED Ø2	212A
P	CH 1 RED Ø1	206A
R	SPARE 1	153A
S	+ 24 V MONITOR II	58B
T	SPARE 2	154A
U	SPARE 3	155A
V	DELAY RELAY NC	153B
W	CH 10 RED	827A
X	SPARE 4	154B
Y	SPARE 5	155B
Z	SPARE 6	156B
a	CH 3 RED Ø3	218A
b	RED ENABLE	846A
c	SPARE 7	157B
	SPARE 8	158B

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 CH 5-0 ___5___

1-7 2-8 3-9 4-10 5-11 6-12 CH 6-0 ___6___

1-8 2-9 3-10 4-11 5-12 CH 7-0 ___7___

1-9 2-10 3-11 4-12 CH 8-0 ___8___

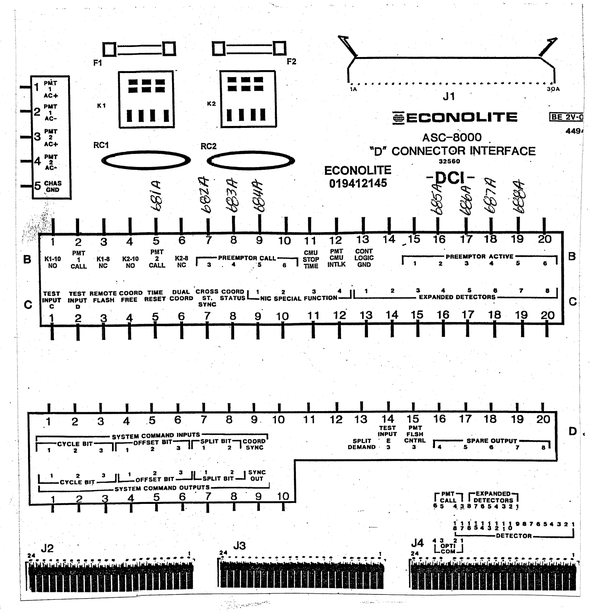
1-10 2-11 3-12 CH 1-0 ___1___ CH 9-0 ___

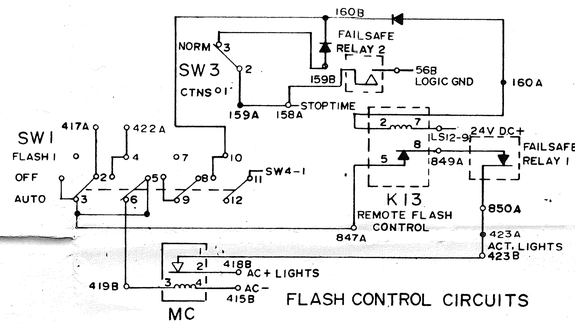
1-11 2-12 CH 2-0 ___2___ CH 10-0 ___

1 12 CH 3-0 ___3___ CH 11-0 ___

CH 4-0 ___4___ CH 12-0 ___

CHANNEL-0 COMBINATION NOT PINNED WITH MATRIX JUMPERS CONSTITUTE CONFLICTING MOVEMENTS. TO PROGRAM, CIRCLE PERMISSIVE COMBINATIONS AND INSTALL JUMPERS ON CORRESPONDING PINS ON THE PROGRAM CARD





FLASH CONTROL CIRCUITS

✱ DOES NOT INCLUDE CONTROL EQUIPMENT HARNESS

CABINET WIRING FUNCTIONAL COLOR CODES

COLOR	FUNCTIONAL ✱
BLACK	AC+
WHITE	AC NEUTRAL
GREEN	EARTH GROUND
RED	CONFLICT MONITOR WIRING
BLUE	
YELLOW	INTERCONNECT
ORANGE	
PURPLE	CALLING DETECTOR

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	8E
3	I	OFFSET 4 (ADD BIT 3)	13D
4	I	ON LINE	19D
5	O	SPARE	7C
6	I	DIAL 4	9D
7	I	DIAL 6	NC
8	O	SPECIAL FUNCTION 2 OUT	10C
9	I	SPLIT 3	8D
10	I	OFFSET 2 (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	6C
15	O	SPECIAL FUNCTION 3 OUT	15D
16	I	SPLIT 2	7D
17	I	SYSTEM DET. 1 (SEQ. #1)	13C
18	I	SYSTEM DET. 4 (SEQ. #4)	18C
19	I	SYSTEM ENABLE	14D
20	I	DIMMING 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	I	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	I	DIAL 3 SPECIAL FUNCTION 3)	2D
36	I	OFFSET 3 (ADD BIT 2)	6D
37	I	FLASH STATUS	2C
38	I	OFFSET 3 (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

EVP SENSORS

CONTR. CHAN.	PHASES	POLE #	SIGNAL	DC(+)	GND
1	1-6	1	361	362	365
2	2-5	3	364	362	365
3	8	2	366	367	370
4	4	4	369	367	370

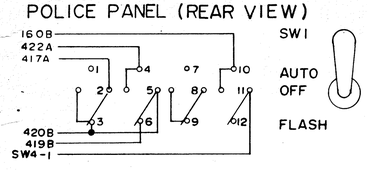
EVP CONFIRMATORY LIGHTS

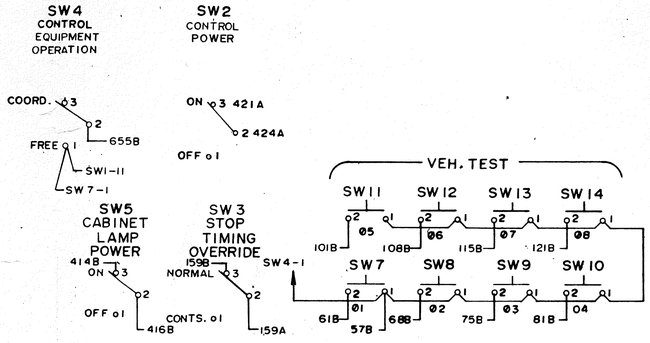
CONTR. CHAN.	PHASES	POLE #	TERM
1	1-6	1	251
2	2-5	3	257
3	8	2	263
4	4	4	269

EVP TYPICAL SENSOR WIRE COLORS

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

POLICE PANEL (REAR VIEW)





VEHICLE SIGNALS

SIGNAL	TERMINAL G	Y	R	G→	Y→	R→
1-1				201	202	203
1-2				204	205	206
2-1				207	208	209
2-2				210	211	212
4-1				219	220	221
4-2				222	223	224
4-3				222	223	224
5-1				225	226	227
5-2				228	229	230
6-1				231	232	233
6-2				234	235	236
8-1				243	244	245
8-2				248	249	248
8-3				248	248	248

VEH DETECTORS

DET	TERMINAL
1-1	301-302
5-1	304-305
4-1	313-314
4-2	325-326
4-3	328-329
2-1	306-307
6-1	309-310
8-1	316-317
8-2	337-338
8-3	340-341
8-4	345-350

PED SIGNALS

SIGNAL	TERMINAL WK	DW
P2-3	249	250
P2-5	253	254
P4-1	255	256
P4-5	259	260
P6-1	261	262
P6-2	265	266
P8-2	267	268
P8-3	271	272

PED PUSHBUTTONS

PPB	TERMINAL
PB2-3,5	311
PB4-1,5	312
PB6-1,2	323
PB8-2,3	324

 # 23 & PINE ST.

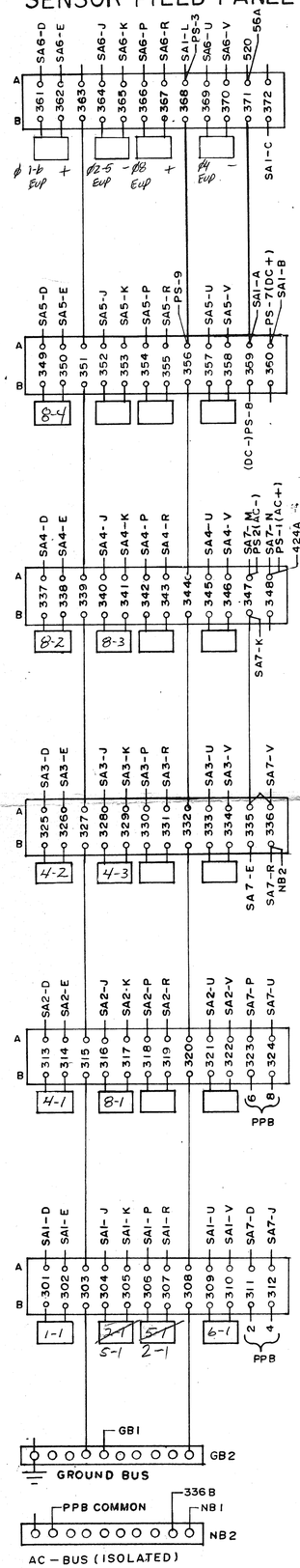
MINNESOTA DEPARTMENT OF TRANSPORTATION
80 CABINET FACILITY FOR MINNESOTA MICROTRONICS

TYPE 800 CONTROLLER

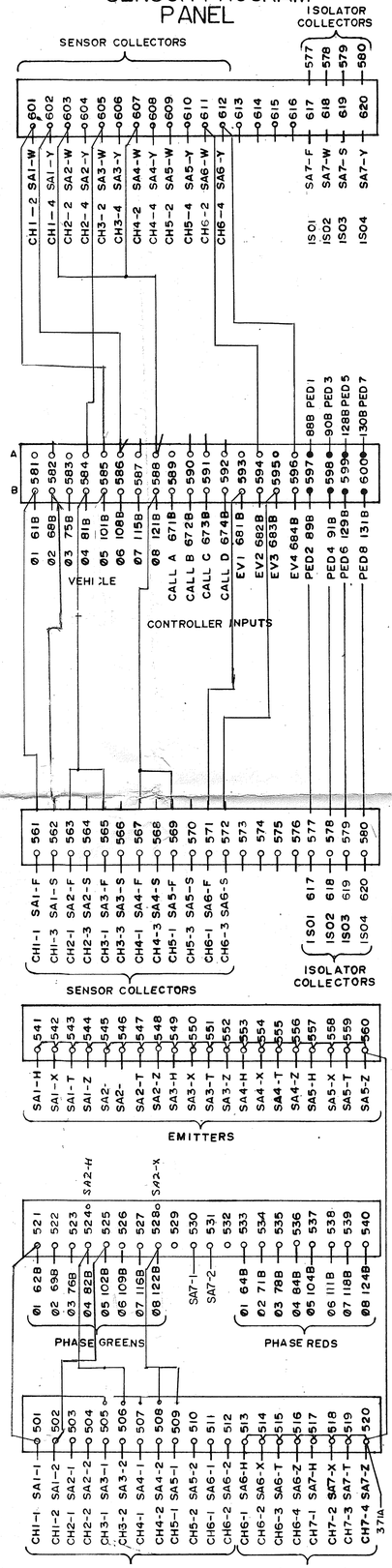
SUPPLIED BY RIDDLE CONTROL PRODUCTS INC.

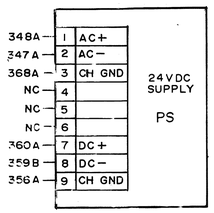
ENGINEER R.R.	REV	ORDER	DATE
DRAFTSMAN D.W.L.	REV	DWG NO. 60-088	
APPR. MNDOT			PAGE 1 OF 3

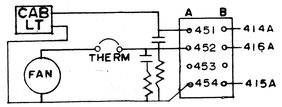
SENSOR FIELD PANEL



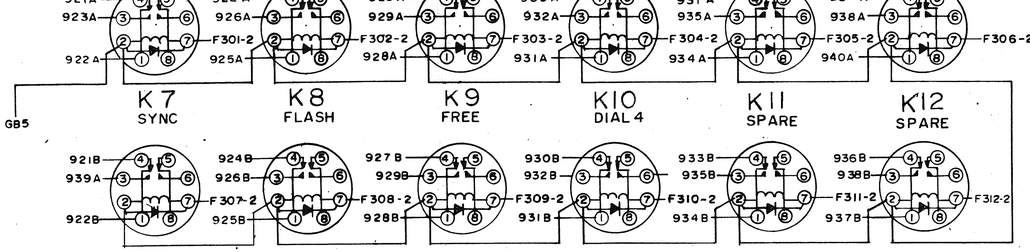
SENSOR PROGRAM PANEL







FAN & THERM. ASSY.



DETECTOR RACK CARD EDGE HARNESS–TYPICAL

(ONE HARNESS FOR EACH FOUR CHANNEL POSITION)

CARD EDGE PIN	HARNESS PIN	COLOR CODE 22 GAUGE	FUNCTION
1	1	WHITE/RED	CH1 TIMER INHIBIT
2	2	RED	CH2 TIMER INHIBIT
D-4	3	BROWN	CH1 LOOP
E-5	4	WHITE/BROWN	CH1 LOOP
F	5	WHITE/BLUE	CH1 OUT (+)
H	6	BLUE	CH1 OUT (−)
J-8	7	BLACK/RED	CH2 LOOP
K-9	8	BLACK/WHITE	CH2 LOOP
P-13	9	ORANGE	CH3 LOOP
R-14	10	WHITE/ORANGE	CH3 LOOP
S	11	WHITE/GREY	CH3 OUT (+)
T	12	GREY	CH3 OUT (−)
U-17	13	YELLOW	CH4 LOOP
V-18	14	WHITE/YELLOW	CH4 LOOP
W	15	WHITE/VIOLET	CH2 OUT (+)
X	16	VIOLET	CH2 OUT (−)
Y	17	WHITE/GREEN	CH4 OUT (+)
Z	18	WHITE/BLACK	CH4 OUT (−)

THE FOLLOWING 20 GAUGE WIRES ARE SOLDERED TO TERMINALS ON THE BACK OF THE DETECTOR RACK

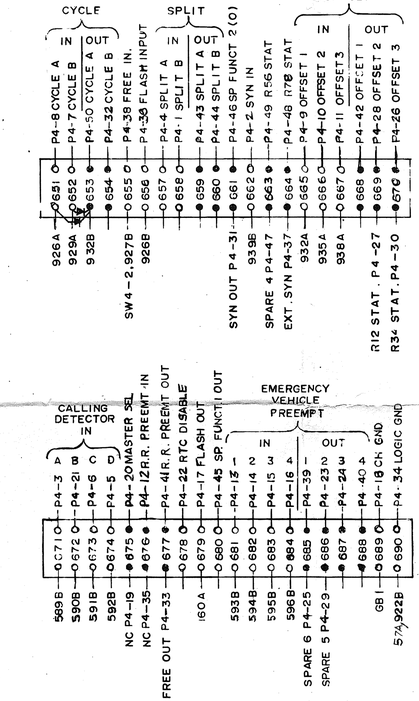
L	GREEN	EARTH GND
M-11	WHITE	AC NEUTRAL
N-12	BLACK	120 VAC+
B	RED	24 VDC+
A	BLACK/YELLOW	24 VDC−
C	BLACK/BLUE	RESET

FUNCTIONS:

1-CALL AND 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
10-SAMPLING
11-SPECIAL-SEE NOTE.-

DETECTORS AND PPB ISOLATION

PIN	RACK HARNESS SA-PIN		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 PPB ISOLATION PHASE		
		CH1	1	1	1-1	4	3&6	4-1	4	1	4-2	8	1	8-2	8	7	8-4	10		EMP	2		
		CH2	3	1	5-1	8	3&6	8-1	4	7	4-3	8	7	8-3				25		EMP	4		
		CH3	2	1	2-1													8		EMP	6		
		CH4	6	1	6-1													4		EMP	8		
		MODEL			224			262			262			262			262				T-400A	MODEL	
	A	DC GROUND	359-A	◄																	NC	SPARE	A
	B	24V DC+	360A	◄																	NC	SPARE	B
	C	REMOTE RESET	372B	◄																	NC	SPARE	C
3	D-4	CH1 LOOP	301A			313A			325A			337A			349A			361A			311A	INPUT CH1	D
4	E-5	CH1 LOOP	302A			314A			326A			338A			350A			362A			335B	INPUT COMMON	E
5	F	CH1 OUTPUT (+)	561			563			565			567			569			571			617	OUTPUT CH1 (+)	F
6	H	CH1 OUTPUT (−)	541			545			549			553			557			513			517	OUTPUT CH1 (−)	H
7	J-8	CH2 LOOP	304A			316A			328A			340A			352A			364A			312A	INPUT CH2	J
8	K-9	CH2 LOOP	305A			317A			329A			341A			353A			365A			347B	INPUT COMMON	K
	L	CHASSIS GROUND	368A	◄																	►	CHASSIS GROUND	L
	M	SPARE	NC			NC			NC			NC			SA6/SA5			SA5/SA7			347A	AC−	M
	N	SPARE	NC			NC			NC			NC			SA6/SA5			SA5/SA7			348A	115V AC+	N
9	P-13	CH3 LOOP	306A			318A			330A			342A			354A			366A			323A	INPUT CH3	P
10	R-14	CH3 LOOP	307A			319A			331A			343A			355A			367A			336B	INPUT COMMON	R
11	S	CH3 OUTPUT (+)	562			564			566			568			570			572			619	OUTPUT CH3 (+)	S
12	T	CH3 OUTPUT (−)	543			547			551			555			559			515			519	OUTPUT CH3 (−)	T
13	U-17	CH4 LOOP	309A			321A			333A			345A			357A			369A			324A	INPUT CH4	U
14	V-18	CH4 LOOP	310A			322A			334A			346A			358A			370A			336A	INPUT COMMON	V
15	W	CH2 OUTPUT (+)	601			603			605			607			609			611			618	OUTPUT CH2 (+)	W
16	X	CH2 OUTPUT (−)	542			546			550			554			558			514			518	OUTPUT CH2 (−)	X
17	Y	CH4 OUTPUT (+)	602			604			606			608			610			612			620	OUTPUT CH4 (+)	Y
18	Z	CH4 OUTPUT (−)	544			548			552			556			560			516			520	OUTPUT CH4 (−)	Z
1	1	CH1 GREEN	501			503			505			507			509			511			530	NOT USED	
2	2	CH2 GREEN	502			504			506			508			510			512			531	NOT USED	
	3	CH3 GREEN																				SPARE	
	10	CH4 GREEN																				SPARE	



80 FACILITY FOR
MINNESOTA MICROTRONICS 800

MINDOT 8500 CABINET

DWG NO. 60-088

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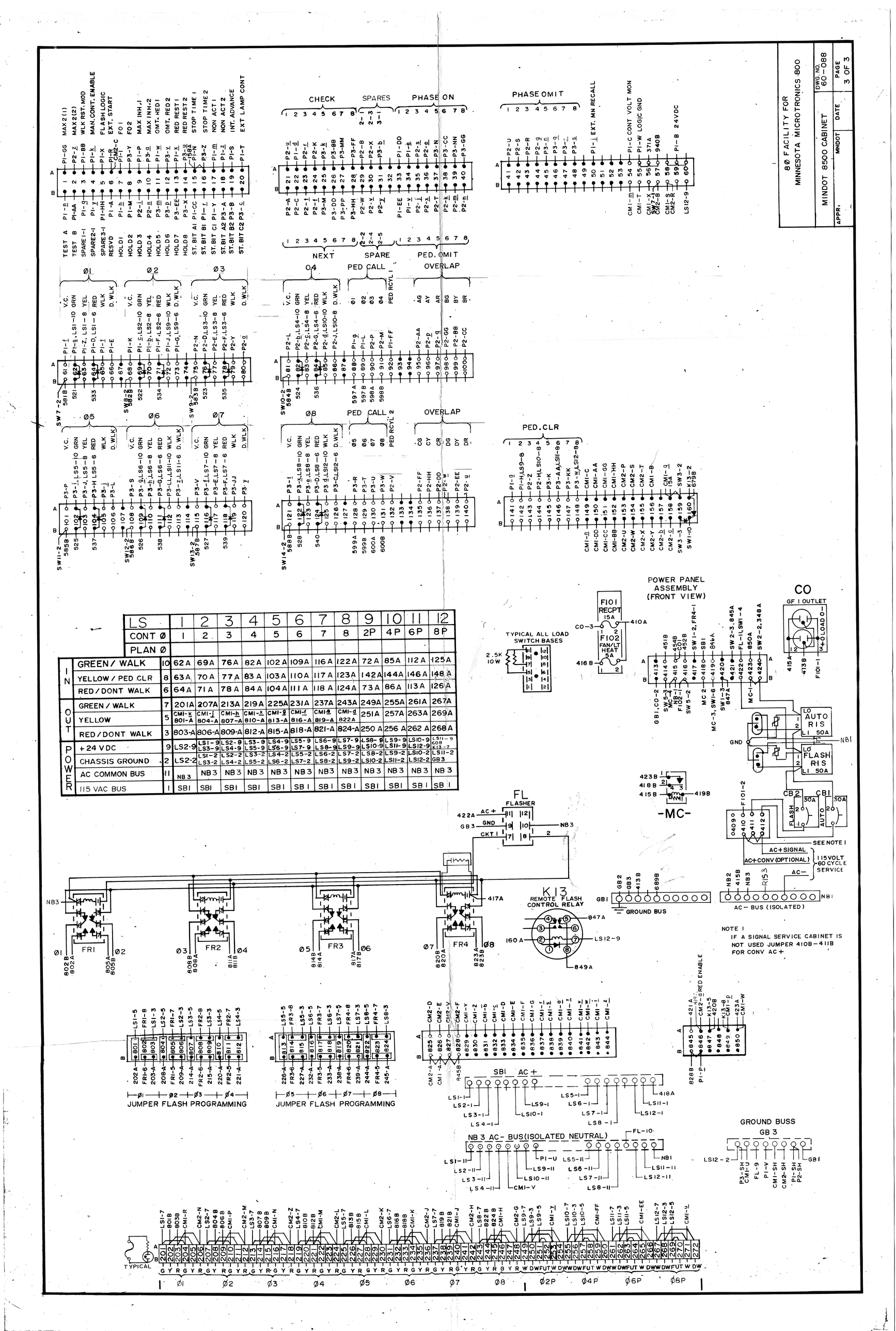

LS		1	2	3	4	5	6	7	8	9	10	11	12
CONT Ø		1	2	3	4	5	6	7	8	2P	4P	6P	8P
PLAN Ø													
IN	GREEN / WALK	10	62A	69A	76A	82A	102A	109A	116A	122A	72A	85A	112A	125A
	YELLOW / PED CLR	8	63A	70A	77A	83A	103A	110A	117A	123A	142A	144A	146A	148A
	RED / DONT WALK	6	64A	71A	78A	84A	104A	111A	118A	124A	73A	86A	113A	126A
OUT	GREEN / WALK	7	201A	207A	213A	219A	225A	231A	237A	243A	249A	255A	261A	267A
	YELLOW	5	CMI-k 801-A	CMI-j 804-A	CMI-h 807-A	CMI-x 810-A	CMI-g 813-A	CMI-f 816-A	CMI-e 819-A	CMI-q 822A	251A	257A	263A	269A
	RED / DONT WALK	3	803-A	806-A	809-A	812-A	815-A	818-A	821-A	824-A	250 A	256 A	262 A	268A
POWER	+24 VDC	9	LS2-9	LS1-9 LS3-9	LS2-9 LS4-9	LS3-9 LS5-9	LS4-9 LS6-9	LS5-9 LS7-9	LS6-9 LS8-9	LS7-9 LS9-9	LS8-9 LS10-9	LS9-9 LS11-9	LS10-9 LS12-9	LS11-9 508 LS1-7
	CHASSIS GROUND	2	LS2-2	LS1-2 LS3-2	LS2-2 LS4-2	LS3-2 LS5-2	LS4-2 LS6-2	LS5-2 LS7-2	LS6-2 LS8-2	LS7-2 LS9-2	LS8-2 LS10-2	LS9-2 LS11-2	LS10-2 LS12-2	LS11-2 GB3
	AC COMMON BUS	11	NB3	NB3	NB3	NB3	NB3	NB3	NB3	NB3	NB3	NB3	NB3	NB3
	115 VAC BUS	1	SBI	SBI	SBI	SBI	SBI	SBI	SBI	SBI	SBI	SBI	SBI	SB I