RAM Memory

	L/H	
268	Ø/128	8ØØØ
		/VARS/ (64 bytes)
31	63/128	803F
32	64/128	8Ø4Ø /Buff OUT/ (448 bytes)
29	255/129	81FF
8Ø	Ø/130	82ØØ /Pgm IN/ (32256)
35	255/255	FFFF ↑ STACK ↑

V. 1.Ø / HERMES

@	L/H	
ØØØØ	ØØ/ØØ	INITIAL
Ø378	2A/Ø1	MESAJE TO DISPLAY
Ø396	8C/Ø1	DELAY
Ø422	A6/Ø1	DELAY *
Ø438	B6/Ø1	KEY DISPLAY
Ø529	11/Ø2	TAKE 2/4 Key Display
Ø695	B2/Ø2	KEY VALUE CONVERT
Ø727	D2/Ø2	Rx MESAJE
Ø773	Ø5/Ø3	Rx
Ø881	21/Ø3	Tx
Ø996	E4/Ø3	CRC
1Ø23	FF/Ø3	Tx CRC
1Ø44	14/Ø4	Rx CRC
1Ø82	3A/Ø4	Delay * Display
1Ø98	4A/Ø4	LEVEL Ø M
1117	5D/Ø4	LEVEL Ø (Ø)
1346	42/Ø5	CTROL KEYS (1)
1461	B5/Ø5	Add To display
1525	F5/Ø5	Data To display
ØØA2	48/ØØ	V IN

Φ56	PUSH AF	245
52	IN A, (FF)	219, 255
59	LD (32299), A	50, 31, 128
C2	OUT (FF), A	211, 255
C4	LD A, Φ	62, Φ
C6	LD (32800), A	50, 32, 128
C9	POP AF	241
CA	REI	237, 22
22	PUSH AF	245
23	LD A, 255	62, 255
25	LD (32800), A	50, 32, 128
28	EI	251
29	LD A, (32800)	58, 32, 128
82	CP 255	254, 255
84	JR Z	40, 249
86	POP AF	241
87	RET	201
Φ	JP Φ290	195, 34, 1
Φ	LD SP, ΦΦΦΦ	49, Φ, Φ
93	IM 1	237, 86
95	LD A, 129	62, 129
92	OUT (3), A	211, 3
99	OUT (2), A	211, 2
3 Φ2	LD A, 128	62, 128
Φ3	OUT (Φ), A	211, Φ
Φ5	OUT (11), A	211, 11
Φ7	OUT (15), A	211, 15
Φ9	OUT (19), A	211, 19
11	OUT (23), A	211, 23
13	OUT (27), A	211, 27
15	LD A, 128	62, 128
12	OUT (31), A	211, 31
19	LD HL, 32832	33, 64, 128
22	LD (32296), HL	34, 28, 128
25	LD HL, 33280	33, Φ, 130
28	LD (32294), HL	34, 26, 128
31	IN A, (2)	219, 2
33	RRC A	15
34	AND 2	230, 2
36	LD (32298), A	50, 30, 128
39	CP Φ	254, Φ
41	JP Z	202, 93, 4 ← Level Φ Diagnostics
44	CP 1	254, 1
46	JP Z	202, 66, 5 ← µ Programing
49	CP 2	254, 2
51	JP Z	202, 88, 6 ← DIONISOS
54	CP 3	254, 3
56	JP Z	202, ,
59	CP 4	254, 4
C1	JP Z	202, ,
C4	CP 5	254, 5
C6	JP Z	202, ,
C9	CP 6	254, 6
21	JP Z	202, ,
24	JP	195, ,
27	NOP	Φ

(V. 3.33)

ΦΦΦ	49, Φ, Φ
Φ3	237, 86
Φ5	195, 35, 1
0291	62, 129
93	211, 3
95	211, 2
92	62, 64
94	211, 2
301	62, 128

Basic Monitor Voltaje In / ②

V. 1.Φ or More

CD, 48, ΦΦ
3A, 1F, 8Φ
32, ΦE, 8Φ
CD, F5, Φ5
CD, B6, Φ1
18, EF

VARS

(MULTI INTERFACE PORTS SYSTEM)

Ø	Use	L / H		
68	L	Ø / 128	8ØØØ	Delay /cTe/
69	H	1 / 128	8ØØ1	
2Ø	L	2/128	8Ø Ø2	Delay /HL/
21	H	3/128	8Ø Ø3	
22	X	4/128	8Ø Ø4	/8/
23	X	5/128	8Ø Ø5	/2/
24	X	6/128	8ØØ6	/6/
25	X	7/128	8ØØ7	/5/
26	X	8/128	8Ø Ø8	/4/
27	X	9/128	8Ø Ø9	/3/
28	X	10/128	8ØØA	/2/
29	X	11/128	8Ø ØB	/1/
80	X	12/128	8Ø ØC	/Ø/

/Display MAP/

8 7 6 5 4 3 2 1 Ø

[8.8.8.8.8.8.8.8.]

81	X	13/128	8Ø ØD	Key Code Pulsed
82	X	14/128	8Ø ØE	VALUE DATA enter
83	L	15/128	8Ø ØF	VALUE Add. enter
84	H	16/128	8Ø1Ø	
285	X	17/128	8Ø11	Key Code Converter xxxxXXXX
286	X	18/128	8Ø12	RUTINA 2 Keys, 4 Keys [2 , Ø] (Values)
282	L	19/128	8Ø13	Add. Mesaje To display
88	H	20/128	8Ø14	
289	X	21/128	8Ø15	RESULTADO (255 = Si / Ø = No)
290	L	22/128	8Ø1C	Rx - Tx leng
91	H	23/128	8Ø1D	
292	L	24/128	8Ø18	Rx - Tx add
93	H	25/128	8Ø19	
294	L	26/128	8Ø1A	Next add (Rx-Tx buffer) /PGM IN/
95	H	27/128	8Ø1B	
296	L	28/128	8Ø1C	Next add (Rx-Tx buffer) /BUFF OUT/
92	H	29/128	8Ø1D	
298	X	30/128	8Ø1E	SWITCHES
299	X	31/128	8Ø1F	Analog Input
300	X	32/128	8Ø2Ø	Analog VAR

28	Ø, 1, 2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F (display)	C3, 24, 109, 124, 90, 118, 119, 28, 122, 94, 95, 115, 39, 121, 103, 21
4	Ø, L, 2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F, esc, rd, add, wt (keyboard)	116, 180, 212, 228, 129, 241, 222, 128, 210, 226, 122, 209, 225, 126, 208, 224, 115, 112, 113, 114
4	_HERMES_P (164/Ø)	Ø, 91, 103, 65, 31, 103, 118, Ø, 29
3	_HERMES_D (173/Ø)	Ø, 91, 103, 65, 31, 103, 118, Ø, 121
2	_____Add_ (182/Ø)	Ø, Ø, Ø, Ø, Ø, 95, 121, 121, Ø
1	_____dATA_ (191/Ø)	Ø, Ø, Ø, Ø, 121, 95, 7, 95, Ø
0	_____Port_ (200/Ø)	Ø, Ø, Ø, Ø, 29, 113, 65, 7, Ø
9	_____TIME_ (209/Ø)	Ø, Ø, Ø, Ø, 7, 24, 31, 103, Ø
8	_____FAIL_ (218/Ø)	Ø, Ø, Ø, Ø, 21, 95, 24, 35, Ø
	MARSUPIAL (227/Ø)	31, 95, 65, 118, 59, 29, 24, 95, 35
	PRESENTA_ (236/Ø)	29, 65, 103, 118, 103, 81, 7, 95, Ø
	HERMES__4 (245/Ø)	91, 103, 65, 31, 103, 118, Ø, Ø, 122
	bUSQUESE_ (254/Ø)	115, 59, 118, 94, 59, 103, 118, 103, Ø
	LA__vidA_ (7/1)	35, 95, Ø, Ø, 49, 16, 121, 95, Ø
	8.8.8.8.8.8.8.8.8. (16/1)	255, 255, 255, 255, 255, 255, 255, 255, 255
	_ _ _ _ _ _ _ _ _ (25/1)	Ø, Ø, Ø, Ø, Ø, Ø, Ø, Ø, Ø
Ø1Ø2	PUSH AF NMI	245
Ø3	PUSH HL	229
Ø4	PUSH BC	197
Ø5	PUSH DE	213
Ø6	CALL (Rx Mensaje)	[illegible] 205, 215, 2
Ø9	LD HL, (32792)	42, 24, 128
12	JP (HL)	233
1Ø2	PUSH AF NMI V.3.32	245
Ø3	PUSH HL	229
Ø4	PUSH BC	197
Ø5	PUSH DE	213
Ø6	CALL (RX)	205, 5, 3 (906A) CD, 5, 3
Ø9	CALL (Rx CRC)	205, 20, 4 CD, 14, 4
12	LD HL, (32792)	42, 24, 128 2A, 18, 80
15	JP (HL)	233 E9
024	LD A, 91	3E, 91
26	OUT (F3), A	D3, F3 INIT V.
[illegible]	[illegible]	[illegible]
[illegible]	OUT (F1), A	D3, F1 V. 3.40
7A	JP 0123	C3, 23, 01
000		31, 00, 0[illegible]
03		ED, 56 V.3.40
005	JP 0123	(C3, 23, 01) → C3, 24, 00

28	~~PUSH~~ PUSH HL 122/1 PRESATE TO BISPLAY		229
29	PUSH DE		213
30	PUSH BC		197
31	LD HL, (32282)		42, 19, 128
34	LD DE, 32222		17, 4, 128
37	LD BC, 0009		1, 9, 0
40	LDIR		237, 176
42	POP BC		193
43	POP DE		209
44	POP HL		225
45	RET		201
46	PUSH BC 140/1 DELAY		197
47	PUSH HL		229
48	PUSH AF		245
49	LD BC, (32224)		237, 75, 2, 128
53	DEC BC	31.6 ms (HL)	11
54	LD A, B		120
55	OR C		177
56	JR Z		40, 10
58	LD HL, (32268)	19 ms	42, 0, 128
61	DEC HL	5'8 ms (cte)	43
62	LD A, H		124
63	OR L		181
64	JR NZ		32, 251
66	JR		24, 241
68	POP AF		241
69	POP HL		225
70	POP BC		193
71	RET		201
72	PUSH HL 166/2 DELAY*		229
73	PUSH AF		245
74	LD HL, (32220)		42, 2, 128
77	CALL (Delay)		205, 140, 1
80	DEC HL	42 ms 61 ms (HL)	43
81	LD A, H		124
82	OR L		181
83	JR NZ		32, 248
85	POP AF		241
86	POP HL		225
87	RET		201
88			

Delay $f_{osc} = 3'6\ MHz$

$T = 31.6\ ms$ { HL = 1, cte = X

$T \simeq 1.5\ ms$ { cte = 256, HL = 2

$T \simeq 50\ ms$ { cte = 256, HL = 33

Delay *

$T \simeq 1.6\ s$ { cte = 256, HL = 33

Ø438	PUSH BC (182/1) KEY DISPLAY	192
39	PUSH DE	213
40	PUSH HL	229
41	PUSH AF	245
42	LD A, 255	62, 255
44	OUT (6), A	211, 6
46	LD HL, 180	33, 180, Ø
49	LD (32768), HL	34, Ø, 128
52	LD HL, ØØØ4	33, 4, Ø
55	LD (32770), HL	34, 2, 128
58	LD HL, 32781	33, 13, 128
61	LD C, Ø	14, Ø
63	LD B, 254	6, 254
65	DEC HL	43
66	LD A, B	120
67	OUT (5), A	211, 5
69	LD A, (HL)	126
20	OUT (4), A	211, 4
22	IN A, (6)	219, 6
24	LD D, A	87
25	AND 15	230, 15
27	CP 15	254, 15
29	JR Z	40, 13
81	RLC A	7
82	RLC A	7
83	RLC A	7
84	RLC A	7
85	ADD A, C	129
86	LD (32781), A	50, 13, 128
89	IN A, (6)	219, 6
91	CP D	186
92	JR Z	40, 251
94	CALL (Delay)	205, 140, 1
97	INC C	12
98	LD A, B	120
99	RLC A	7
Ø5ØØ	LD B, A	71
Ø1	CP 254	254, 254
Ø3	JR NZ	32, 216
Ø5	LD A, 255	62, 255
Ø7	OUT (5), A	211, 5
Ø9	LD A, 122	62, 122
11	OUT (6), A	211, 6
13	DEC HL	43
14	LD A, (HL)	126
15	OUT (4), A	211, 4
17	CALL (Delay)	205, 140, 1
20	LD A, 255	62, 255
22	OUT (6), A	211, 6
24	POP AF	241
25	POP HL	225
26	POP DE	209
27	POP BC	193
28	RET	201

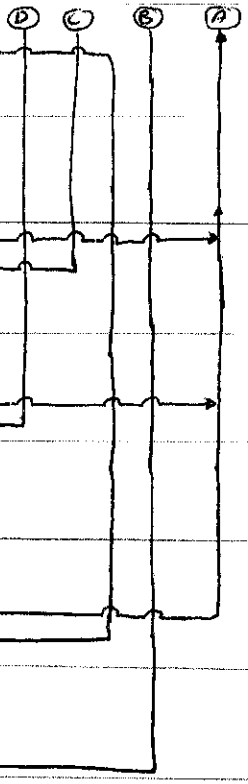
529	PUSH AF (17/2) TAKE 2/4 Key Display	245
30	PUSH BC	193
31	PUSH DE	213
32	PUSH HL	229
33	LD A, (32786)	58, 18, 128
36	LD D, A	82
32	LD A, 0	62, 0
39	LD (32781), A	50, 13, 128
42	CALL (Key Display)	205, 182, 1
45	LD A, (32781)	58, 13, 128
48	CP 0	254, 0
50	JR Z	40, 246
52	CALL (Key Value)	205, 183, 2
55	LD HL, 32772	33, 4, 128
58	LD BC, 32773	1, 5, 128
61	LD E, 9	30, 9
63	DEC E	29
64	LD A, E	123
65	CP 0	254, 0
62	JR Z	40, 6
69	LD A, (BC)	10
20	LD (HL), A	119
21	INC BC	3
22	INC HL	35
23	JR	24, 244
25	LD A, (32785)	58, 12, 128
28	ADD A, 128	198, 128
80	LD L, A	111
81	LD H, 00	38, 0
83	LD A, (HL)	126
84	LD (32780), A	50, 12, 128
82	LD A, (32786)	58, 18, 128
90	CP 0	254, 0
92	JR Z	40, 31
94	LD A, D	122
95	CP 2	254, 2
92	JR Z	40, 14
99	LD A, (32785)	58, 12, 128
0C 02	RLC A	2
03	RLC A	2
04	RLC A	2
05	RLC A	2
06	LD (32782), A	50, 14, 128
09	INC D	20
10	JP	195, 25, 2
13	LD A, (32782)	58, 14, 128
16	LD HL, 32785	33, 12, 128
19	ADD A, (HL)	134
20	LD (32782), A	50, 14, 128
23	JR	24, 65
25	LD A, D	122
26	CP 1	254, 1
28	JR Z	40, 22
30	CP 2	254, 2
32	JR Z	40, 32
34	CP 3	254, 3

Wait Key

25/2

(D) (C) (B) (A)

36	JR Z	40, 42
38	LD A, (32285)	58, 12, 128
41	RLC A	2
42	RLC A	2
43	RLC A	2
44	RLC A	2
45	LD (32284), A	50, 16, 128
48	INC D	20
49	JP	195, 25, 2
52	LD A, (32284)	58, 16, 128
55	LD HL, 32285	33, 12, 128
58	ADD A, (HL)	134
59	LD (32284), A	50, 16, 128
62	INC D	20
63	JP	195, 25, 2
66	LD A, (32285)	58, 12, 128
69	RLC A	2
70	RLC A	2
71	RLC A	2
72	RLC A	2
73	LD (32283), A	50, 15, 128
76	INC D	20
77	JP	195, 25, 2
80	LD A, (32283)	58, 15, 128
83	LD HL, 32285	33, 12, 128
86	ADD A, (HL)	134
87	LD (32283), A	50, 15, 128
90	POP HL	225
91	POP DE	209
92	POP BC	193
93	POP AF	241
94	RET	201



6095	PUSH AF (163/2) KEY VALUE CONVERT	245
96	PUSH HL	229
92	LD A, (32285)	58, 13, 128
9200	LD (32285), A	50, 12, 128
93	LD HL, 9143	33, 143, 9
96	INC HL	35
92	LD A, L	125
98	CP 160	254, 160
10	JR Z	40, 12
12	LD A, (32284)	58, 13, 128
15	CP (HL)	190
16	JR NZ	32, 244
18	LD A, L	125
19	AND 15	230, 15
21	LD (32285), A	50, 12, 128
24	POP HL	225
25	POP AF	241
26	RET	201
3222	LD HL, (32294) (215/2) RX MESAJE	42, 26, 128
30	LD (32292), HL	34, 24, 128
33	CALL (RX)	205, [illegible], 3
36	CALL (RX CRC)	205, 20, 4
39	LD A, (32289)	58, 21, 128
42	CP 9	254, 9
44	JR Z	40, 10
46	LD HL, 9218	33, 218, 9
49	LD (32282), HL	34, 19, 128
52	CALL (LEVEL 9 M)	205, 24, 4
55	RET	201
56	LD HL, (32292)	42, 24, 128
59	LD BC, (32290)	232, 25, 22, 128
63	ADD HL, BC	9
64	LD A, H	124
65	AND 128	230, 128
67	JR Z	40, 233
69	LD (32294), HL	34, 26, 128
32	RET	201
[illegible]		[illegible]
[illegible]		[illegible]
[illegible]		

23	PUSH AF	245
24	PUSH HL	229
25	PUSH BC	197
26	LD A, 131	62, 131
28	OUT (3), A	211, 3
80	LD A, 128	62, 128
82	OUT (0), A	211, 0
84	LD A, 64	62, 64
86	OUT (2), A	211, 2
88	IN A, (2) ←	219, 2
90	AND 1	230, 1
92	JR Z ↩	40, 250
94	IN A, (1)	219, 1
96	LD (32290), A	50, 22, 128
99	LD A, 80	62, 80
801	OUT (2), A	211, 2
03	IN A, (2) ←	219, 2
05	AND 1	230, 1
02	JR NZ ↩	32, 250
09	LD A, 64	62, 64
11	OUT (2), A	211, 2
13	IN A, (2) ←	219, 2
15	AND 1	230, 1
17	JR Z ↩	40, 250
19	IN A, (1)	219, 1
21	LD (32291), A	50, 23, 128
24	LD A, 80	62, 80
26	OUT (2), A	211, 2
28	IN A, (2) ←	219, 2
30	AND 1	230, 1
32	JR NZ ↩	32, 250
34	LD BC, (32292)	237, 75, 24, 128
38	DEC BC	11
39	LD HL, (32290)	42, 22, 128
42	LD A, H ←	124
43	OR L	181
44	JR NZ ↩	32, 8
46	LD A, 0	62, 0 ← 64 (40H) (V. 3.33)
48	OUT (2), A	211, 2
50	POP BC	193
51	POP HL	225
52	POP AF	241
53	RET	201
54	DEC HL ↩	43
55	INC BC	3
56	LD A, 64	62, 64
58	OUT (2), A	211, 2
60	IN A, (2) ←	219, 2
62	AND 1	230, 1
64	JR Z ↩	40, 250
66	IN A, (1)	219, 1
68	LD (BC), A	2
69	LD A, 80	62, 80
21	OUT (2), A	211, 2
23	IN A, (2) ←	219, 2
25	AND 1	230, 1
22	JR NZ ↩	32, 250
29	JR ↩	24, 212

Driver

E ↑ Rx ↕ Tx ↓

64 = 40H = 0100 0000

80 = 50H = 0101 0000

(113/3) TX

81	PUSH AF	245
82	PUSH HL	229
83	PUSH BC	197
84	LD A, 129	62, 129
86	OUT (3), A	211, 3
88	LD A, 128	62, 128
90	OUT (0), A	211, 0
92	LD A, (32790)	58, 22, 128
95	OUT (1), A	211, 1
97	LD A, 80	62, 80 ← 16 (10H) (V.3.33)
99	OUT (2), A	211, 2
101	IN A, (2) ←	219, 2
103	AND 1	230, 1
105	JR Z ─┘	40, 250
107	LD A, 64	62, 64 ← 0 (V.3.33)
109	OUT (2), A	211, 2
111	IN A, (2) ←	219, 2
113	AND 1	230, 1
115	JR NZ ─┘	32, 250
117	LD A, (32791)	58, 23, 128
120	OUT (1), A	211, 1
122	LD A, 80	62, 80 ← 16 (10H) (V.3.33)
124	OUT (2), A	211, 2
126	IN A, (2) ←	219, 2
128	AND 1	230, 1
130	JR Z ─┘	40, 250
132	LD A, 64	62, 64 ← 0 (V.3.33)
134	OUT (2), A	211, 2
136	IN A, (2) ←	219, 2
138	AND 1	230, 1
140	JR NZ ─┘	32, 250
142	LD BC, (32792)	237, 75, 24, 128
146	DEC BC	11
147	LD HL, (32790)	42, 22, 128
150	LD A, H ←	124
151	OR L	181
152	JR NZ ─┐	32, 8
154	LD A, 0	62, 0 ← 64 (40H) (V.3.33)
156	OUT (2), A	211, 2
158	POP BC	193
159	POP HL	225
160	POP AF	241
161	RET	201
162	DEC HL ← ┘	43
163	INC BC	3
164	LD A, (BC)	10
165	OUT (1), A	211, 1
167	LD A, 80	62, 80 ← 16 (10H) (V.3.33)
169	OUT (2), A	211, 2
171	IN A, (2) ←	219, 2
173	AND 1	230, 1
175	JR Z ─┘	40, 250
177	LD A, 64	62, 64 ← 8 (V.3.33)
179	OUT (2), A	211, 2
181	IN A, (2) ←	219, 2
183	AND 1	230, 1
185	JR NZ ─┐	32, 250
187	JR ─┘	24, 212

Driver: E ↓ Rx ↑ Tx ↓

16 = 10H ≡ 0 0 0 1 0 0 0 0

0 = 00H ≡ 0 0 0 0 0 0 0 0

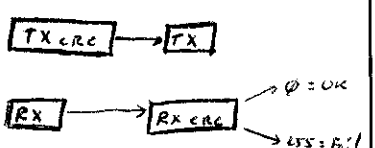
40H ≡ 0 1 0 0 0 0 0 0

989		ϕ, ϕ, ϕ, ϕ, ϕ, ϕ, ϕ,
96	PUSH AF (228/3) CRC	245
97	LD D, ϕ	22, ϕ
99	LD BC, (32289)	237, 75, 22, 128
ϕ3	LD HL, (32292)	42, 24, 128
ϕC	LD A, B	120
ϕ2	OR C	177
ϕ8	JR Z	40, 2
1ϕ	LD A, (HL)	126
11	ADD D	130
12	LD D, A	87
13	DEC BC	11
14	INC HL	35
15	JR	24, 245
17	LD A, D	122
18	LD (32289), A	50, 21, 128
21	POP AF	241
22	RET	201
89	PUSH AF (221/3) CRC	245
90	PUSH BC	197
91	PUSH HL	229
92	PUSH DE	213
93	LD D, ϕ	22, ϕ
95	LD BC, (32290)	237, 75, 22, 128
99	LD HL, (32292)	42, 24, 128
9C 02	LD A, B	120
03	OR C	177
04	JR Z	40, 2
06	LD A, (HL)	126
02	ADD D	130
08	LD D, A	87
09	DEC BC	11
10	INC HL	35
11	JR	24, 245
13	LD A, D	122
14	LD (32289), A	50, 21, 128
17	POP DE	209
18	POP HL	225
19	POP BC	193
20	POP AF	241
21	RET	201
1022	NOP	ϕ

V. 3.2

Add	Data
1024	221
1054	221

	255/3 **TX CRC**		
023	CALL (CRC)		205, 228, 3
26	LD A, (32289)		58, 21, 128
29	LD BC, (32290)		232, 25, 22, 128
33	LD HL, (32292)		42, 24, 128
36	ADD BC		9
32	LD (HL), A		119
38	INC BC		3
39	LD (32290), BC		232, 62, 22, 128
43	RET		201
044	LD BC, (32290) 20/4 **RX CRC**		232, 25, 22, 128
48	DEC BC		11
49	LD (32290), BC		232, 62, 22, 128
53	CALL (CRC)		205, 228, 3
56	LD A, (32289)		58, 21, 128
59	LD BC, (32290)		232, 25, 22, 128
63	LD HL (32292)		42, 24, 128
66	ADD BC		9
62	CP (HL)	**OK**	190
68	JR NZ		32, 6
70	LD A, 0	R=0	62, 0
72	LD (32289), A		50, 21, 128
75	RET		201
76	LD A, 255	**FAIL**	62, 255
78	LD (32289), A	R=255	50, 21, 128
81	RET		201
082	PUSH HL 58/4 **DELAY * DISPLAY**		229 (043A)
83	PUSH AF		245
84	LD HL, (32220)		42, 2, 128
82	CALL (KEY DISPLAY)		205, 182, 1
90	DEC HL		43
91	LD A, H		124
92	OR L		181
93	JR NZ		32, 248
95	POP AF		241
96	POP HL		225
92	RET		201



098	LD HL, 0003	24/4 LEVEL ØM	33, 3, Ø
101	LD (32768), HL		34, Ø, 128
04	LD HL, Ø123		33, 123, Ø
07	LD (32770), HL		34, 2, 128
10	CALL (Message to display)		205, 122, 1
13	CALL (Delay + Display)		205, 58, 4
16	RET		201
17	LD HL, Ø222	93/4 LEVEL Ø	33, 16, 1 (Ø450)
20	LD (32782), HL	ON	34, 14, 128
23	CALL (LEVEL ØM)		205, 24, 4
26	LD HL, Ø281		33, 25, 1
29	LD (32782), HL	OFF	34, 14, 128
32	CALL (LEVEL ØM)		205, 24, 4
35	LD HL, 0003		33, 3, Ø
38	LD (32768), HL		34, Ø, 128
41	LD HL, Ø123		33, 123, Ø
44	LD (32770), HL		34, 2, 128
47	LD A, 224	LEDS OFF LEDSON	62, 224
49	OUT (2), A		211, 2
51	CALL (Delay*)		205, 166, 1
54	LD A, Ø		62, Ø
56	OUT (2), A		211, 2
58	CALL (Delay*)		205, 166, 1
61	LD A, 255		62, 255
63	OUT (16), A		211, 16
65	OUT (17), A		211, 17
67	OUT (18), A		211, 18
69	OUT (20), A		211, 20
71	OUT (21), A		211, 21
73	OUT (22), A		211, 22
75	OUT (24), A		211, 24
77	OUT (25), A		211, 25
79	OUT (26), A		211, 26
81	CALL (Delay*)		205, 166, 1
84	LD A, Ø		62, Ø
86	OUT (16), A		211, 16
88	OUT (17), A		211, 17
90	OUT (18), A		211, 18
92	OUT (20), A	EX. PORTS	211, 20
94	OUT (21), A		211, 21
96	OUT (22), A		211, 22
98	OUT (24), A		211, 24
200	OUT (25), A		211, 25
02	OUT (26), A		211, 26
04	CALL (Delay*)		205, 166, 1
07	LD HL, Ø030		33, 30, Ø
10	LD (32768), HL		34, Ø, 128

13	LD A, φ		62, φ
15	OUT (φ), A		211, φ
17	CALL (Delay)	Pos. Incremento	205, 140, 1
20	ENC A		60
21	CP 128		254, 128
23	JR NZ		32, 246
25	OUT (φ), A		211, φ
27	LD HL, φφφ3		33, 3, φ
30	LD (32268), HL		34, φ, 128
33	LD A, 30	Pos: 2 Vec	62, 30
35	OUT (φ), A		211, φ
37	LD A, 255		62, 255
39	OUT (8), A		211, 8
41	OUT (9), A		211, 9
43	OUT (10), A		211, 10
45	OUT (12), A		211, 12
47	OUT (13), A		211, 13
49	OUT (14), A		211, 14
51	CALL (Delay *)	DRIVERS PORTS	205, 166, 1
54	LD A, φ		62, φ
56	OUT (8), A		211, 8
58	OUT (9), A		211, 9
60	OUT (10), A		211, 10
62	OUT (12), A		211, 12
64	OUT (13), A		211, 13
66	OUT (14), A		211, 14
68	LD HL, φ222		33, 222, φ
71	LD (32282), HL		34, 19, 128
74	LD A, 128		62, 128
76	OUT (φ), A	PW OSC	211, φ
78	CALL (LEVEL φM)		205, 24, 4
81	LD HL, φ236		33, 236, φ
84	LD (32282), HL		34, 19, 128
87	CALL (LEVEL φM)		205, 24, 4
90	LD HL, φ245	MESAJE HERMES	33, 245, φ
93	LD (32282), HL		34, 19, 128
96	CALL (LEVEL φM)		205, 24, 4
99	LD HL, φ254		33, 254, φ
1302	LD (32282), HL		34, 19, 128
05	CALL (LEVEL φM)		205, 24, 4
08	LD HL, φ263		33, 3, 1
11	LD (32282), HL		34, 19, 128
14	CALL (LEVEL φM)		205, 24, 4
17	LD HL, φ191		33, 191, φ
20	LD (32282), HL		34, 19, 128
23	CALL (Mesaje To display)		205, 122, 1
26	LD A, φ		62, φ
28	LD (32286), A	KEY BOARD PROVE	50, 18, 128
31	CALL (TAKE 2/4 Keys Display)		205, 82, 2 *
34	LD HL, 16384 (φ123)		33, φ, ~~24~~ 16 123, φ *
37	LD (32282), HL		34, 2, 128
40	CALL (Delay) (Delay* Display)		205, 140, 1 58, 4
43	JP		195, 93, 4

(66/5) CTROL KEYS

46	LD A, Ø		62, Ø
48	LD (32281), A		50, 13, 128
51	CALL (Key Displaing)	Wait Key	205, 182, 1
54	LD A, (32281)		58, 13, 128
57	CP Ø		254, Ø
59	JR Z		40, 246
61	CP 115		254, 115
63	JR NZ	EXC	32, 4
65	LD HL, (32283)		42, 15, 128
68	JP (HL)		233
69	CP 113		254, 113
71	JR NZ		32, 19
73	LD A, Ø		62, Ø
75	LD (32286), A		50, 18, 128
78	LD HL, Ø182	ADL	33, 182, Ø
81	LD (32282), HL		34, 17, 128
84	CALL (Mensje To Displaing)		205, 122, 1
87	CALL (2/4 Key Displaing)		205, 12, 2
90	JR		24, 210
92	CP 112		254, 112
94	JR NZ		32, 22
96	LD HL, (32283)		42, 15, 128
99	LD A, (HL)		126
ØØ	LD (32282), A		50, 14, 128
03	CALL (add To Displaing)	RL	205, 181, 5
06	CALL (data To Displaing)		205, 245, 5
09	LD HL, (32283)		42, 15, 128
12	INC HL		35
13	LD (32283), HL		34, 15, 128
16	JR		24, 184
18	CP 114		254, 114
20	JR NZ		32, 180
22	LD A, 2		62, 2
24	LD (32286), A		50, 18, 128
22	LD HL, Ø19Z		33, 191, Ø
30	LD (32282), HL		34, 19, 128
33	CALL (Mensje To displaing)		205, 122, 1
36	CALL (2/4) Key Displaing)		205, 12, 2
39	LD HL, (32283)	WT	42, 15, 128
42	LD A, (32282)		58, 14, 128
45	LD (HL), A		119
46	CALL (add To Displaing)		205, 181, 5
49	CALL (data To Displaing)		205, 245, 5
52	LD HL, (32283)		42, 15, 128
55	INC HL		35
56	LD (32283), HL		34, 15, 128
59	JR		24, 141

(191/5) Hold To Display

161	LD A, (32284)	58, 16, 128
64	AND 240	230, 240
66	RRC A	15
67	RRC A	15
68	RRC A	15
69	RRC A	15
70	ADD A, 128	198, 128
72	LD L, A	111
73	LD H, 00	38, 0
75	LD A, (HL)	126
76	LD (32283), A	50, 5, 128
79	LD A, (32284)	58, 16, 128
82	AND 15	230, 15
84	ADD A, 128	198, 128
86	LD L, A	111
87	LD A, (HL)	126
88	LD (32282), A	50, 6, 128
91	LD A, (32282)	58, 15, 128
94	AND 240	230, 240
96	RRC A	15
97	RRC A	15
98	RRC A	15
99	RRC A	15
100	ADD A, 128	198, 128
102	LD L, A	111
103	LD A, (HL)	126
104	LD (32283), A	50, 2, 128
107	LD A, (32283)	58, 15, 128
110	AND 15	230, 15
112	ADD A, 128	198, 128
114	LD L, A	111
115	LD A, (HL)	126
116	LD (32286), A	50, 8, 128
119	LD A, 128	62, 128
121	LD (32282), A	50, 4, 128
124	RET	201

(245/5) Data To Display

245	LD A, (32282)	58, 14, 128
248	AND 240	230, 240
250	RRC A	15
251	RRC A	15
252	RRC A	15
253	RRC A	15
254	ADD A, 128	198, 128
256	LD L, A	111
257	LD H, 00	38, 0
259	LD A, (HL)	126
260	LD (32287), A	50, 11, 128
263	LD A, (32282)	58, 14, 128
266	AND 15	230, 15
268	ADD A, 128	198, 128
270	LD L, A	111
271	LD A, (HL)	126
272	LD (32280), A	50, 12, 128
275	LD A, 0	62, 0
277	LD (32288), A	50, 9, 128
280	LD (32289), A	50, 10, 128
283	RET	201