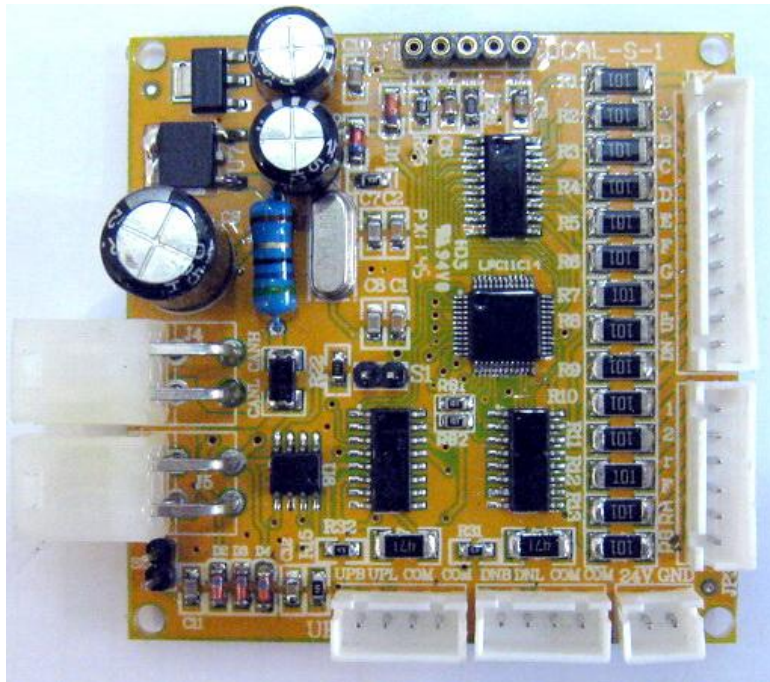# Ocall-S

![ASANOR LIFT CONTROLLER]

Ocal-S-1 Instruction Manual

Ocal-S-1 parallel output display board adopts CAN bus interface to fulfill the function of lift hall call, which makes the input and output interface easier.

Parameter:

Working voltage: DC12V~DC24V

Working current: <250mA（DC24V）

Communication connection port: All the information shown on display use serial to input. Communication input port uses four core socket (of which two are power wire, two are signal wire). Only one piece of four core shied wire connects with CAN bus interface of lift microcontroller, it can work.

Dimension drawing:
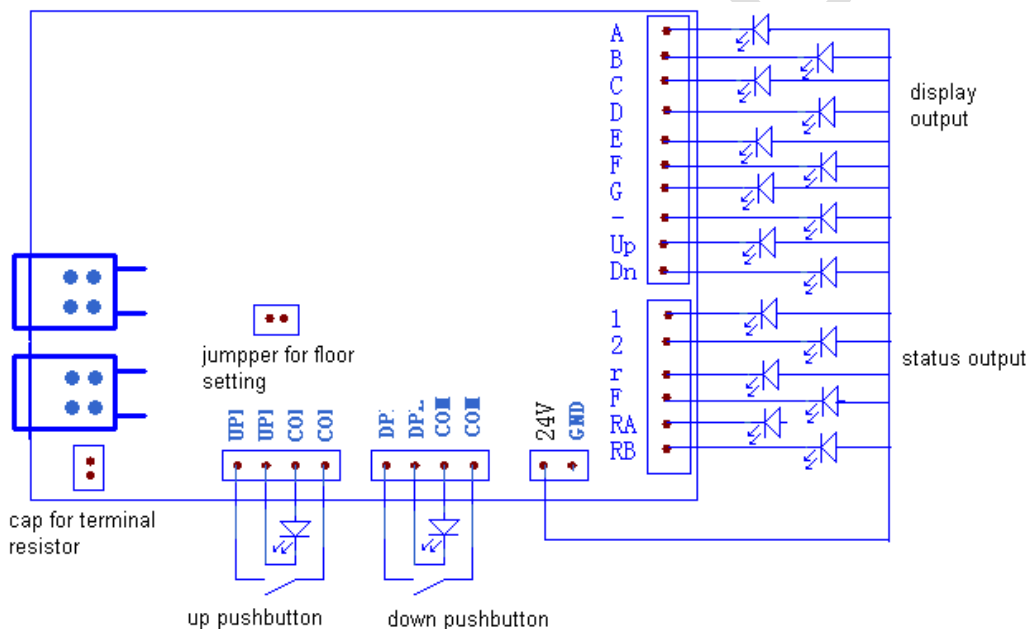
Wire connection terminals instruction:

1)4 pins socket (CAN1 CAN2)

VCC ---------- connect input power source positive terminal (power supply voltage +24v input)

CANH ----------CAN BUS high level signal

CANL ---------- CAN BUS low level signal

GND -----------connect input power source negative terminal (power supply voltage -24v input)

2) Pushbutton terminals

COM common points output (Power supply voltage +24v output)

DPL -----------down pushbutton output signal

DPB -----------down floor signal input

UPL ----------- up pushbutton light output signal

UPB ----------- up floor signal input 3) other terminals

GND -----------output power supply negative point (power supply voltage-24v output）

24V ----------output power supply positive point (power supply voltage +24v output）

A ----------- A in binary system, it means the absolute floor 1; in seven segment system it shows the floor single digit A

B ----------- In binary system, it means the absolute floor binary 2; in seven segment system, it shows the floor single-digit B

c ----------- in binary system, it means the absolute floor binary 4; in seven segment system, it shows the floor single-digit C

d ----------- in binary system, it means the absolute floor binary 8; in seven segment system it shows the floor single-digit D

e ----------- in binary system, it means the absolute floor binary 16; in seven segment system it shows the floor single-digit E

f ----------- in binary system, it means the absolute floor binary 32; in seven segment system it shows the floor single-digit F

g ----------- in binary system, it is for spare; in seven segment system, it shows floor single-digit G

- ----------- in binary system, it is for spare; in seven segment system, it shows floor tens-digit minus sign

up ----------- up run

dn ----------- down run

1 ----------- in binary system, it is for spare; in seven segment system, it shows floor's 10 digit

2 ----------- in binary system, it is for spare; in seven segment system, it shows floor's 20 digit

r ----------- Inspection

F ----------- full load (address >0)/ over load (address=0)

RA ----------- up arrival light (need to set by specific microcontroller program)

RB ----------- down arrival light (need to set by specific microcontroller program)

Note: absolute floor is the floor where lift locates; display floor is the floor shown on the display which is set in microcontroller. Code patterns and special functions are fixed in the program, and clients should confirm when place the order.

Floor settings:

1. When the floor display occurs after electrifying the board, short-circuit the jumper wire of floor setting, then press up and down pushbutton to set the floor address.
(Note: no arrow display means door A; with arrow display means door B).
2. After the setting finishes, pull out the jumper wire of floor setting without cut off the power supply.
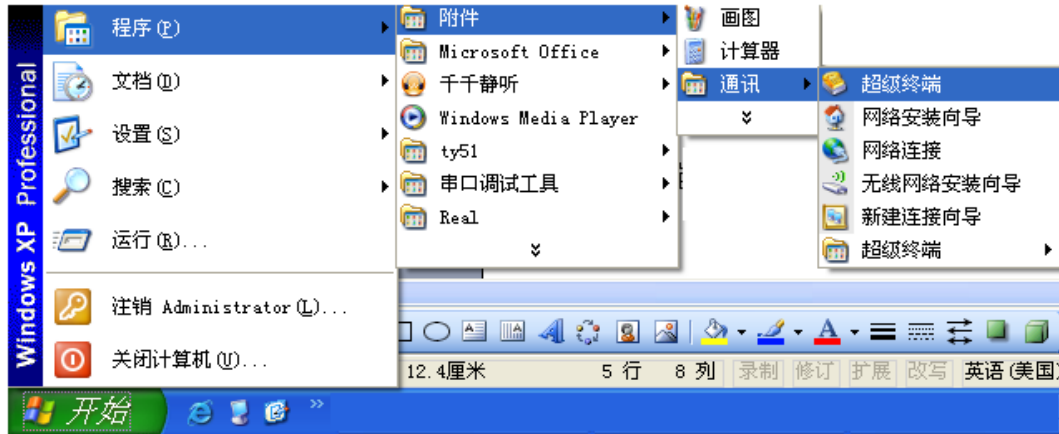**Note: when the floor address is 0, only overload is displayed and full load will not display; when floor address is >0, only full load is displayed and overload will not display.**
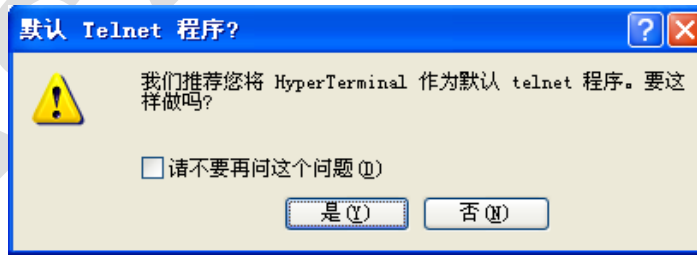
Download cable drawings:
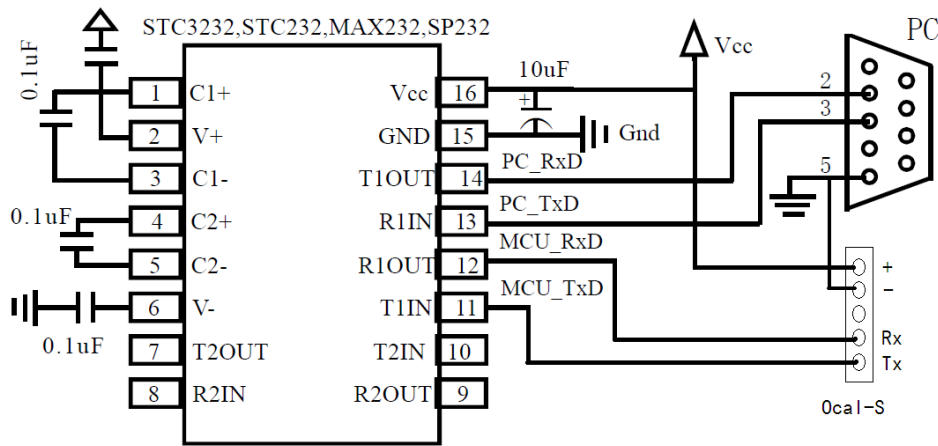
When download characters, please follow the steps below:
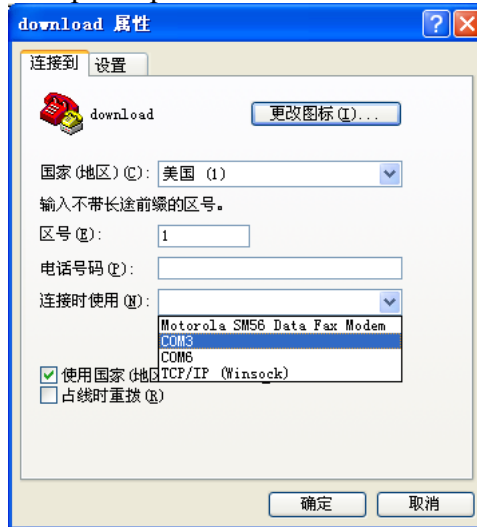
1. Open the "HyperTerminal" carried in windows

2. Choose "Yes".
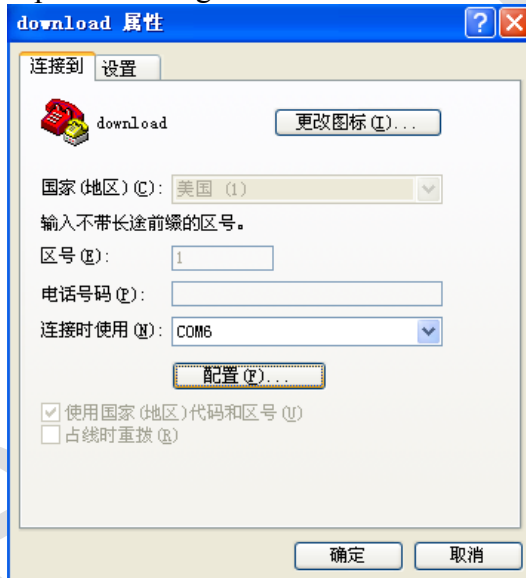

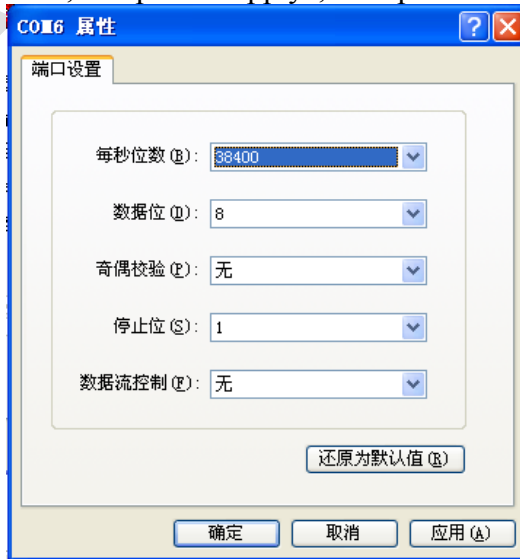3. Fill "download" in the "Name" place, and press "Confirm"

4. Select the serial port in your machine in "Use in Connection"，　generally it is "COM1"in common desktop computer.
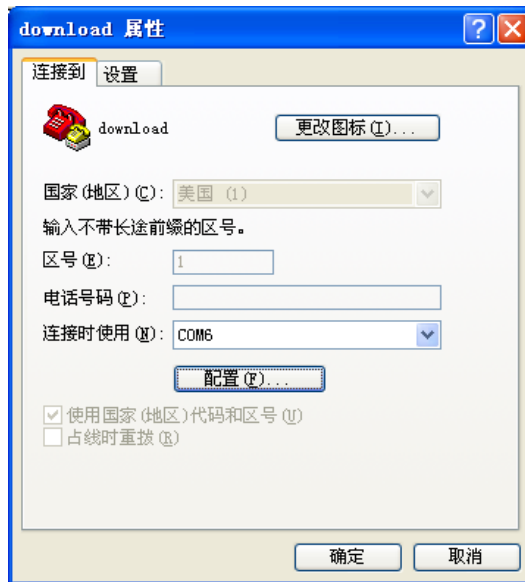

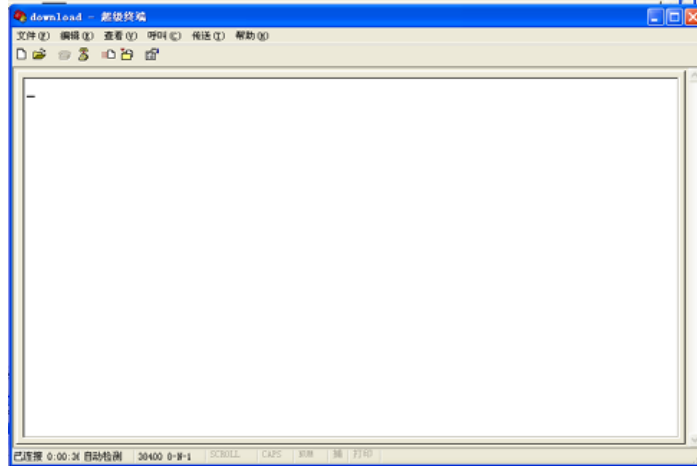5. After selection, please press "Configuration"

6. Set like the below picture, and press "Apply", then press "Confirm"

7. Press "confirm"

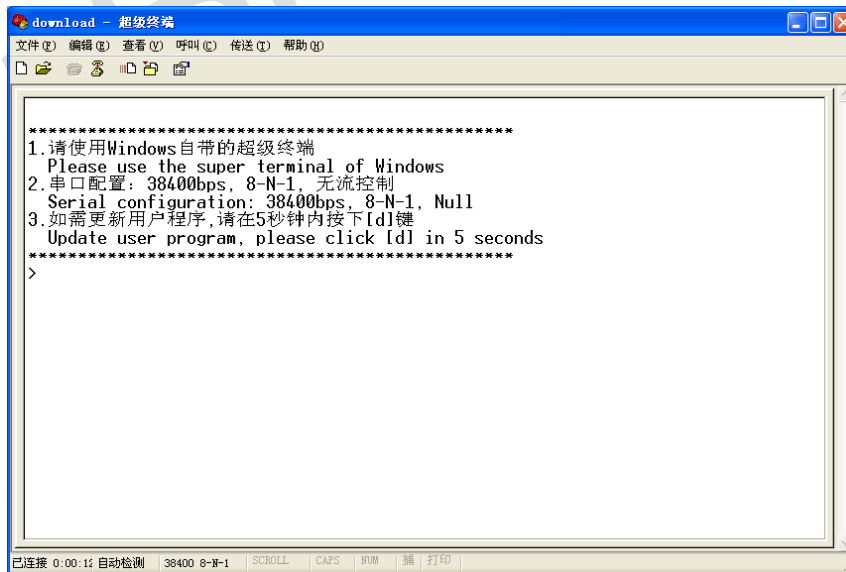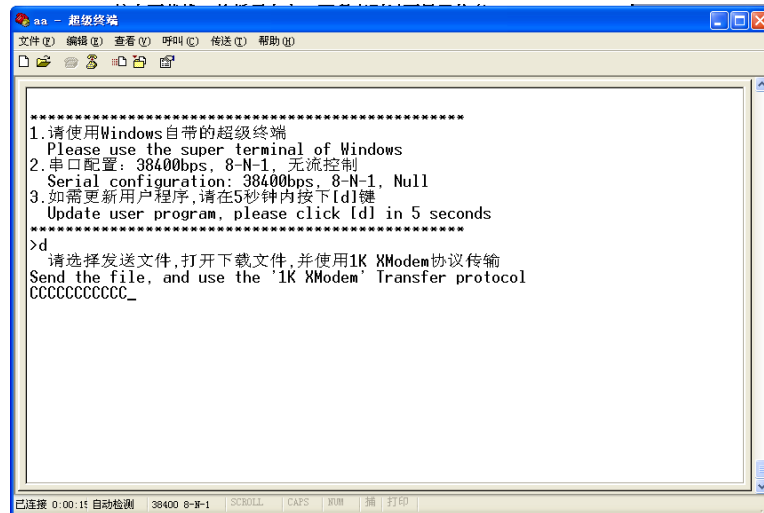8. Press, and open the serial port as the below picture

9. connect the download cable and electrify the board, following display information can be seen

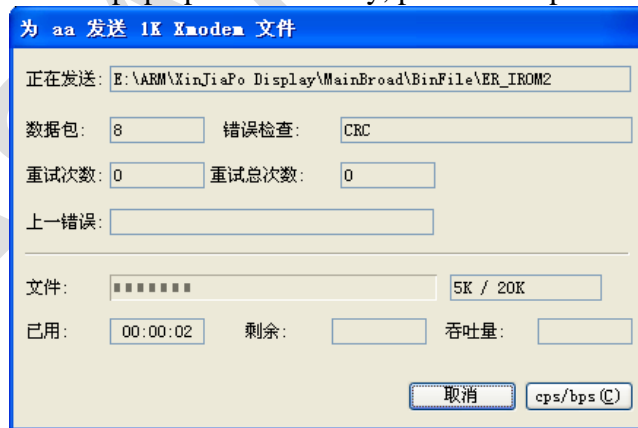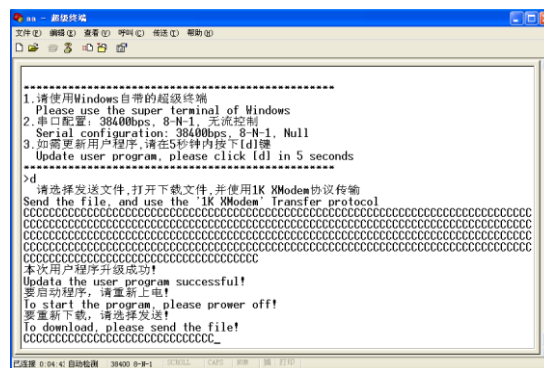10. Press the key "d" and "Enter" in the keyboard

11. Press, select files need to send out in "Browse", and select "1K Xmodem" in "Protocol", and press "Send"

12. Download window will pop up automatically, please wait patiently

13. after download

Characters revise operation:

Following is the TxT file content:
(08)Display
Flr 21-GFEDCBA
000:0000000000
001:0000000001
....
254:0011111110
255:0011111111
Set Para
000:0000000000
001:0000000001
....
008:0000001000
009:0000001001
:0000000000
00E:0000001001
End

Flr: Downward correspond to characters of microcontroller (no need to revise)
2: downward correspond to the port state of character 2 corresponding in the hall call board
1: downward correspond to the port state of character 1 corresponding in the hall call board
-: downward correspond to the port state of character - corresponding in the hall call board
G:downward correspond to the port state of character G corresponding in the hall call board
F: downward correspond to the port state of character F corresponding in the hall call board
E: downward correspond to the port state of character E corresponding in the hall call board
D: downward correspond to the port state of character D corresponding in the hall call board
C: downward correspond to the port state of character C corresponding in the hall call board
B: downward correspond to the port state of character B corresponding in the hall call board
A: downward correspond to the port state of character A corresponding in the hall call board

For example: 001（microcontroller character 1）:0000000001（only A output）002（microcontroller character 2）:0000000010（only B output）

Revision under "***Set Para***" is the output state corresponded to 0~9 and 'E' when setting the floor and error.
For example: 003（figure 3）:0000000011（only A and B output）
004（figure 4）:0000000100（only C output）
00E（character E）:0000001001（only A and D output）

Microcontroller Characters Table:

Floor	Code	Floor	Code	Floor	Code	Floor	Code
0	0	36	36	H	72	UB	108
1	1	37	37	I	73	DB	109
2	2	38	38	J	74	PB	110
3	3	39	39	K	75	LG	111
4	4	40	40	L	76	B3	112
5	5	41	41	M	77	G1	113
6	6	42	42	N	78	G2	114
7	7	43	43	O	79	SS	115
8	8	44	44	P	80	RC	116
9	9	45	45	Q	81	F1	117
10	10	46	46	R	82	5A	118
11	11	47	47	S	83	E1	119
12	12	48	48	T	84	E2	120
13	13	49	49	FIRE	85	S1	121
14	14	50	50	V	86	8A	122
15	15	51	51	W	87	3A	123
16	16	52	52	X	88	RG	124
17	17	53	53	Y	89	1S	125
18	18	54	54	Z	90	2S	126
19	19	55	55	-1	91	PH	127
20	20	56	56	-2	92	JP	128
21	21	57	57	-3	93	NJ	129
22	22	58	58	-4	94	GH	130
23	23	59	59	-5	95	MP	131
24	24	60	60	-6	96	GF	132
25	25	61	61	-7	97	π	133
26	26	62	62	-8	98	L1	134
27	27	63	63	-9	99	L2	135
28	28	64	64	1A	100	S2	136
29	29	A	65	2A	101	TZ	137
30	30	B	66	1B	102	PM	138
31	31	C	67	2B	103	NF	139
32	32	D	68	A1	104	SB	140
33	33	E	69	A2	105	P1	141
34	34	F	70	B1	106	A3	142
35	35	G	71	B2	107		

ASANOR
LIFT CONTROLLER

Head Office Address: No.49, 1th Floor, Valiasr Complex, Firoozeh St., Valiasr Ave., Tehran , Iran

Tel: +98 21 88942045/88945807

www.asanoor.com