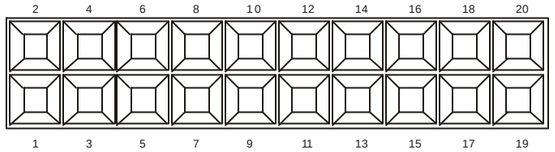
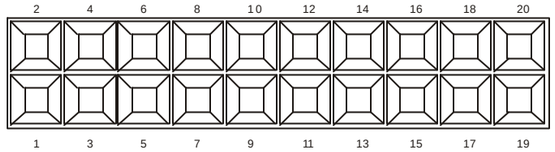
HSL HSL-DO32-M 32-CH Discrete Output Module for HSL System

Pin Definitions



JP3

Pin #	Signal Name	Description
1	+VS	External power, +10V~+30V_{DC}
2	GND	External ground
3	NC	No connection
4	GND	External ground
5	RX+	RS-422 receiving line, positive
6	TX+	RS-422 transmission line, positive
7	RX-	RS-422 receiving line, negative
8	TX-	RS-422 transmission line, negative
9	DO0	Discrete Output Channel 0
10	DO1	Discrete Output Channel 1
11	DO2	Discrete Output Channel 2
12	DO3	Discrete Output Channel 3
13	DO4	Discrete Output Channel 4
14	DO5	Discrete Output Channel 5
15	DO6	Discrete Output Channel 6
16	DO7	Discrete Output Channel 7
17	DO8	Discrete Output Channel 8
18	DO9	Discrete Output Channel 9
19	DO10	Discrete Output Channel 10
20	DO11	Discrete Output Channel 11



JP4

Pin #	Signal Name	Description
1	DO12	Discrete Output Channel 12
2	DO13	Discrete Output Channel 13
3	DO14	Discrete Output Channel 14
4	DO15	Discrete Output Channel 15
5	DO16	Discrete Output Channel 16
6	DO17	Discrete Output Channel 17
7	DO18	Discrete Output Channel 18
8	DO19	Discrete Output Channel 19
9	DO20	Discrete Output Channel 20
10	DO21	Discrete Output Channel 21
11	DO22	Discrete Output Channel 22
12	DO23	Discrete Output Channel 23
13	DO24	Discrete Output Channel 24
14	DO25	Discrete Output Channel 25
15	DO26	Discrete Output Channel 26
16	DO27	Discrete Output Channel 27
17	DO28	Discrete Output Channel 28
18	DO29	Discrete Output Channel 29
19	DO30	Discrete Output Channel 30
20	DO31	Discrete Output Channel 31

Specifications

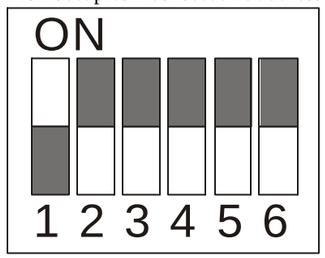
Transistor Output					
Model	Number	Type	Switching Capacity max.	Response Time	
				ON	OFF
-N	32	NPN Sinking	-60mA at 24V_{DC}	2 ms max.	2 ms max.
-P	32	PNP Sourcing	+60mA at 24V_{DC}	2 ms max.	2 ms max.

Miscellaneous				
Model	Terminal Base Option	External Power Requirement	Power Consumption	Weight
-N	HSL-TB32-M-DIN	+10V to +30V_{DC}	1.8 W	152g
-P	HSL-TB32-M-DIN	+10V to +30V_{DC}	1.8 W	152g

LED Indication: Active DC power (Red); Link (Green); Discrete Output (Yellow)

DIP Switch Setting

The DI32 occupies 2 consecutive address allocations starting from odd, that is, the switch bit **1** fixed to **ON**.



ON = 1

100000	address 1, 2
110000	address 3, 4
…	…
110111	address 59, 60
101111	address 61, 62

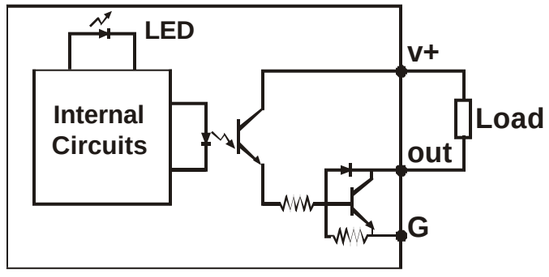
OFF = 0

Discrete Output Field I/O Configuration

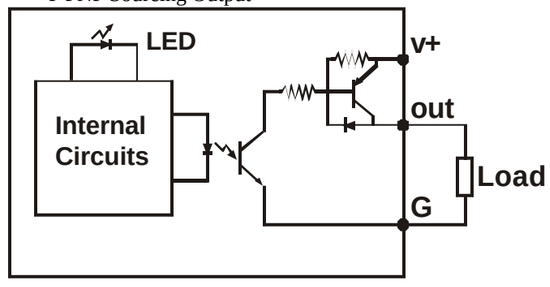
With **HSL-TB32-M-DIN**

Channel No.	Terminal No.	Channel No.	Terminal No.	Channel No.	Terminal No.	Channel No.	Terminal No.
0	0	8	8	16	16	24	24
1	1	9	9	17	17	25	25
2	2	10	10	18	18	26	26
3	3	11	11	19	19	27	27
4	4	12	12	20	20	28	28
5	5	13	13	21	21	29	29
6	6	14	14	22	22	30	30
7	7	15	15	23	23	31	31

-N NPN Sinking Output



-P PNP Sourcing Output



Ordering Information

HSL-DO32-M-N: 32-CH Discrete NPN Sinking Output Module
HSL-DO32-M-P: 32-CH Discrete PNP Sourcing Output Module

Terminal Base
HSL-TB32-M-DIN: 32-CH I/O Terminal Base with DIN Socket

ADLINK on the Internet

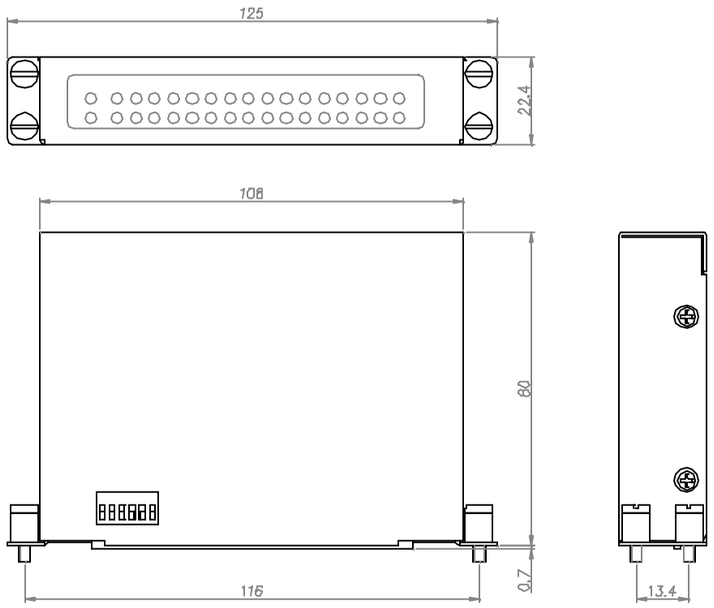
Homepage http://www.adlink.com.tw
Service: service@adlink.com.tw
Technical Assistance: NuDAM@adlink.com.tw

TEL: 886-2-82265877 FAX: 886-2-82265717

AM-HSLMIO003-E1.00

Dimension

-M Module (125x22.4x80) mm



-M module with HSL-TB32-M-DIN (128.5x85.5x108) mm