HSL HSL-DI32-UJ 32-CH Discrete Input Module for HSL System

Pin Definitions

CN0-CN31:

No.	Name	I/O	Function
1	+24V_In	I	Power Supply Input
2	DI0~31	I	Discrete Input Channel 0~31
3	GND_In	--	Power Supply Ground

RJ1-RJ2:

No.	Name	Function
1	NA	NA
2	NA	NA
3	TX+	RS-422/485 Transmission Line, Positive
4	RX-	RS-422/485 Receiving Line, Negative
5	RX+	RS-422/485 Receiving Line, Positive
6	TX-	RS-422/485 Transmission Line, Negative
7	NA	NA
8	NA	NA

POWER 1:

No.	Name	I/O	Function
1	EX +24V	I	External Power Supply Input (+24V DC+5%)
2	+24V_In	I	Power Supply Input (+24V DC+5%)
3	EX_GND	--	External Power Supply Ground
4	GND_In	--	Power Supply Ground
5	F_GND	--	Shielding Ground

JUMPER:

JP2: Input Mode	
1-2	NPN (Default)
2-3	PNP

JP3: Terminator Resistor	
1-3 2-4	ON
3-5 4-6	OFF (Default)

JP4	
1-3 2-4	Full Duplex (Default)
3-5 4-6	Half Duplex

JP5	
1-2	3M
3-4	6M (Default)
5-6	12M

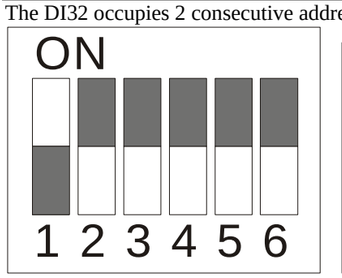
JP6	
1-3 2-4	Separate Power Separate GND
3-5 4-6	Common Power Common GND (Default)

Specifications

Discrete Input						
Model	Number	Type	Input Current max.	Input Impedance	Operating Voltage with $+24V_{DC}$	
					ON	OFF
-N	32	NPN Sinking or Dry Contact	-10mA	4.7 kΩ	11.4 V_{DC} max.	14.3 V_{DC} min.
-P		PNP Sourcing or Wet Contact	+10mA		12.6 V_{DC} min.	9.8 V_{DC} max.

DIP Switch Setting

The DI32 occupies 2 consecutive address allocations begining with an odd address. Bit **1** is fixed to **ON**.

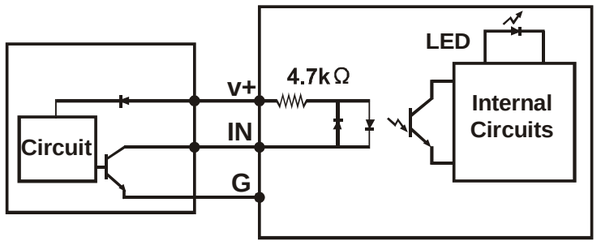


ON = 1

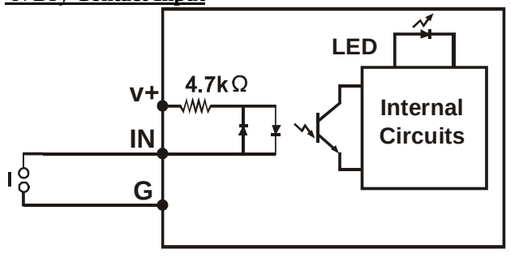
100000	address 1, 2
110000	address 3, 4
…	…
110111	address 59, 60
101111	address 61, 62

OFF = 0

-N NPN Sinking Input



-N Dry Contact Input



Ordering Information

HSL-DI32-UJ-N: 32-CH Discrete NPN Sinking Input Module
HSL-DI32-UJ-P: 32-CH Discrete PNP Sourcing Input Module

ADLINK on the Internet

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Dimensions

UJ module with case (138 x 71.8 x 52.7 mm)

