

TCP Relay Protocol V1.0

1. Parameters of controller

Default IP:192.168.1.166

Default TCP port :1234

2. Operation of relays

(1) Open the relay

L(n),n=1:8,Such as the need to open the relay 1, then send the string "L1". The board will return "Relayon 1" after the relay in operation.

(2) Close the relay

D(n),n=1:8,Such as the need to close the relay 1, then send the string "D3". The board will return "Relayoff 3" after the relay in operation.

(3) 800ms pluse,Open relay for 800ms,then close.

P(n),n=1:8,Such as the need to pluse the relay 1, then send the string "P1". The board will return "Press 1" after the relay in operation.

(4) Read status of relays

R(n),n=1:8,Such as the need to read the status of relay 1, then send the string "R1". The board will return "Relayon 1" or "Relayoff 1".

(5) Read input status

I(n),n=1:8, Such as the need to read the status of input 1, then send the string "I1". The board will return "IL 1" or "IH 1".

(6) Burst mode read status

Send strings "DUMP" or "dump",the board will return all status of relays and inputs by end of "OK".

(7) Examples

1. Connect to TCP port;

2. Send command,all commad by ends of "\r\n";

3. If the PC within 30s no data is sent to the controller, the controller will disconnect to PC.

PC	Board
L1	Relayon 1
DUMP	Relayon 1
	Relayoff 2
	Relayoff 3
	Relayoff 4
	Relayoff 5
	Relayoff 6
	Relayoff 7
	Relayoff 8
	IL 1
	IL 2
	IL 3
	IL 4
	IL 5

IL 6
IL 7
IL 8
OK