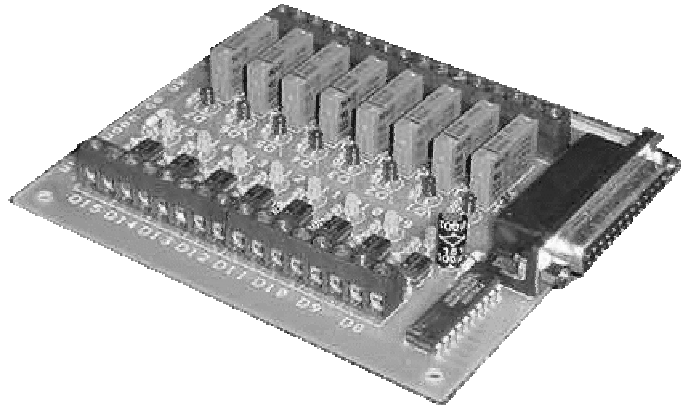


PIMZOS

RO-16 Relay/Opto-isolator Board

RO-16 Relay and Opto Isolation Board

The RO-16 is a relay and opto-isolation I/O board. Digital control signals are connected via a 25-way D type connector. LED's provide local indication of I/O status. Opto-inputs are polarity independent.



Can be directly connected to the LabJack U12 digital I/O port. 2M cable included.

D25 Pin-outs;

1: D0	6: D5	11: +5V	16: Gnd	21: D11
2: D1	7: D6	12: +5V	17: Gnd	22: D12
3: D2	8: D7	13: +5V	18: D8	23: D13
4: D3	9: NC	14: Gnd	19: D9	24: D14
5: D4	10: +5V	15: Gnd	20: D10	25: D15

D0-D7 – Relay Outputs

Type	Single pole, normally open contact
Breaking Capacity	3A/250V AC, 3A/30V DC, 750VA
Operate/Release time	6ms/3ms
Mechanical life	2×10^7
Electrical Life	10^5
Relay nominal voltage	5V
Relay pull-in voltage	3.5V
Relay drop out voltage	0.25V
Relay coil resistance	208 Ω

D8-D15 – Opto-isolator Inputs

Input range*	5-40VDC
Input current @ 5V	0.8mA typically
Input current @ 40V	10mA typically
Isolation	5300VDC
Connection	screw terminal polarity independent

* guaranteed ranges – may operate down to approx. 1.5V

General

Dimensions	100mm x 112mm – can be DIN rail mounted
Fixing centres	4 x 3mm holes, 90mm x 102mm