



Making Data Acquisition Easy

CAGE/NCAGE CODE: 3FNFO

DB-16R

16-channel Relay Output Board

Quick Start Guide

Product Website:

https://www.icpdas-usa.com/db_16r.html

1. Introduction

The DB-16R, 16-channel Relay Output Board, consists of 16 form c relays for efficient switch of load by programmed control. It is connector and functionally compatible with 785 series board but with industrial type terminal block. The DB-16R can be connected to DIO-64, A-626, A82x DAS board and PCI-series multi-function board or any other compatible DAS board. The relay are energized by apply 5 volt signal to the appropriate relay channel on the 20-pin flat cable connector. 16 enunciator LEDs, one for each relay, light when their associated relay is activated. To avoid overloading your PC's power supply, this board provides a screw terminal for external power supply.

2. Features

16-channel relay output board

- 16 Form C Relays
- Accept 20-pin connector to control 16 form c relays, for use with A-82X, A-62X, DIO-64, PCI-1800, PCI-1200, PCI-1002 series digital output port or any compatible digital output port.
- LED status indicator
- Screw terminals for field wiring.

DB-16R 16-channel Relay Output Board - QuickStart (Apr/2017)

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5. Pin Assignment

The CN1 is 20-pin header linked to TTL digital I/O board via 20-pin flat cable.
 The CN2 is an external power input connector for external power input wiring.
 The CN3 and CN4 are relay contact screw terminal blocks.

DB-16R -CN1 : 20 Pin connector

DO0	1	2	DO1
DO2	3	4	DO3
DO4	5	6	DO5
DO6	7	8	DO7
DO8	9	10	DO9
DO10	11	12	DO11
DO12	13	14	DO13
DO14	15	16	DO15
D.GND	17	18	D.GND
+5V	19	20	+12V

CN2: External Power Input Connector

+5 V	GND	GND	+12 V
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Note : Don't wiring to external power input connector if the power selection jumper setting in < INT > position.

CN3 Relay contact terminal block

8	NO	NC	CM	10	NO	NC	CM	12	NO	NC	CM	14	NO	NC	CM
9	NO	NC	CM	11	NO	NC	CM	13	NO	NC	CM	15	NO	NC	CM

CN4 Relay contact terminal block

1	NO	NC	CM	3	NO	NC	CM	5	NO	NC	CM	7	NO	NC	CM
0	NO	NC	CM	2	NO	NC	CM	4	NO	NC	CM	6	NO	NC	CM