



DESIGN LTD

16ROUT8IDIN

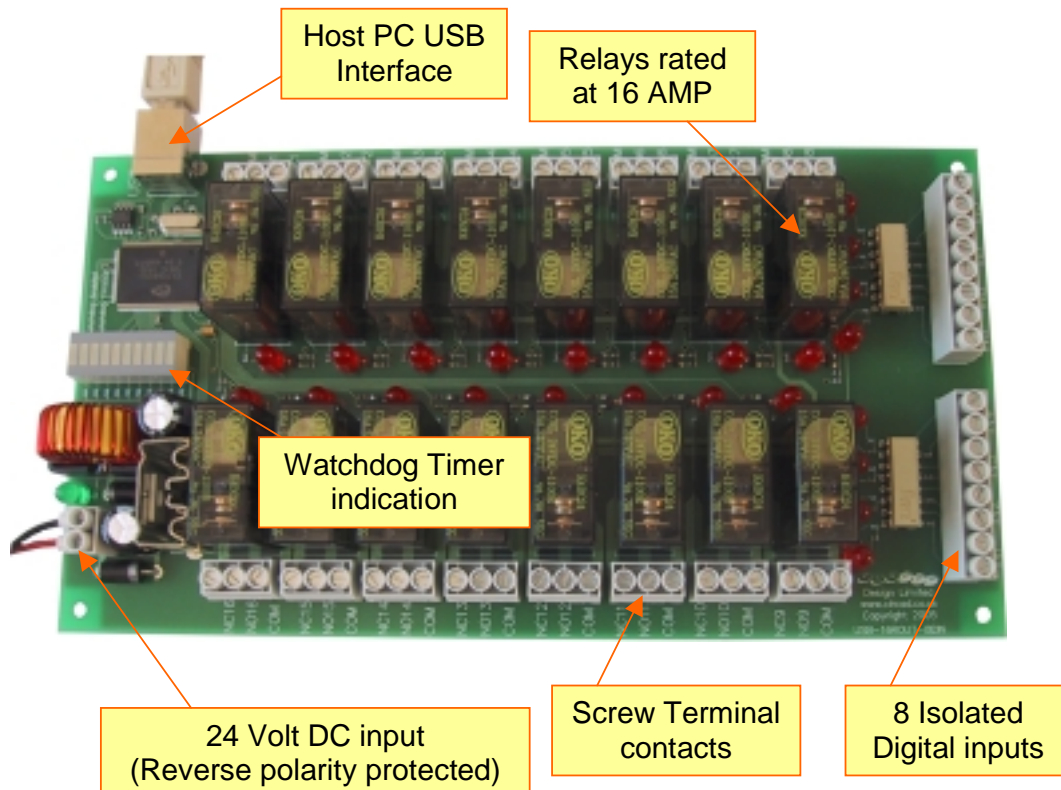
16 Relay Outputs 8 Isolated Inputs

The 16ROUT8IDIN is a general-purpose Computer controlled relay board offering 16 Open Contact Relay outputs rated at 16 AMPS, with 8 (1.5KV) Isolated Digital inputs.

Your PC connects to the 16ROUT8IDIN via the USB interface. Software Device Drivers are supplied with sample programs (including source code) for interfacing to C++, C#, Delphi and Visual Basic.

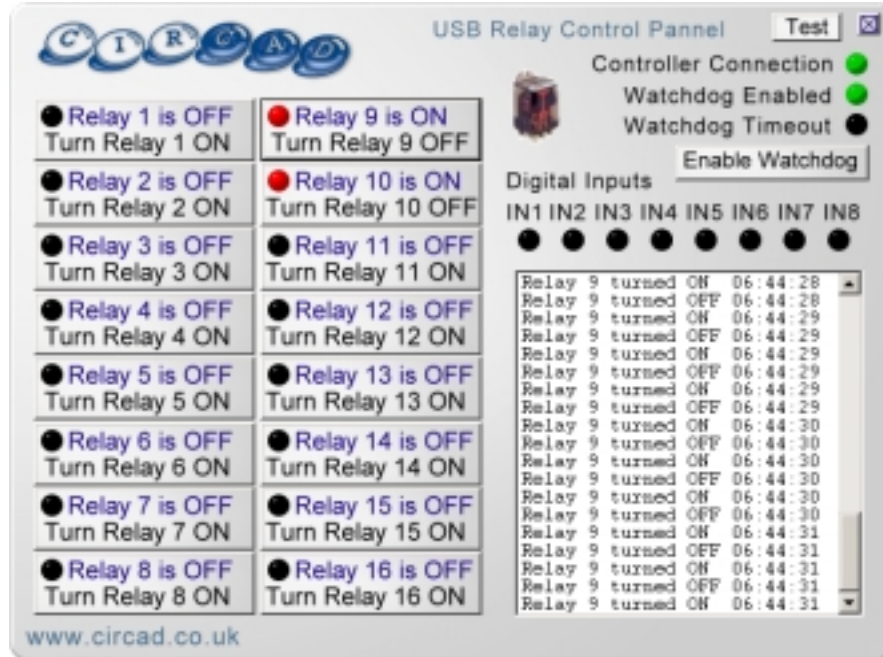
Specification

- ☆ 16 K4B changeover relays rated at 16A 240V AC, 16A 24V DC.
- ☆ Screw Terminal Connections
- ☆ Power Supply required, DC rated at 24 Volts 750mA
- ☆ 8 Isolated Digital Inputs, trigger voltage 12 ~ 24 Volts.
- ☆ Optional Watchdog Timer will automatically shut off relays.
- ☆ Easy to use software interface.



Windows Software

Example Window applications are supplied along with the driver, DLL, header and library files, allowing an easy controller interface for your software.



Function calls

Calling these functions from our supplied DLL makes the software interface to the relays and digital inputs.

To turn an individual relay ON:

```
cd_RelayOn([Number from 1 to 16]);
```

To turn an individual relay OFF:

```
cd_RelayOff([Number from 1 to 16]);
```

To set the state of all 16 Relays:

```
cd_Set16Relays([16 bit value]);
```

To get the state of all 16 Relays :

```
cd_Get16Relays(pointer to 16 bit variable);
```

To get read the digital inputs:

```
cd_Get8Inputs(pointer to 8 bit variable);
```

To enable the watchdog timer (default is disabled)

```
cd_EnableWatchdog();
```

For more information please see the USB 16Rout8IDin user manual.