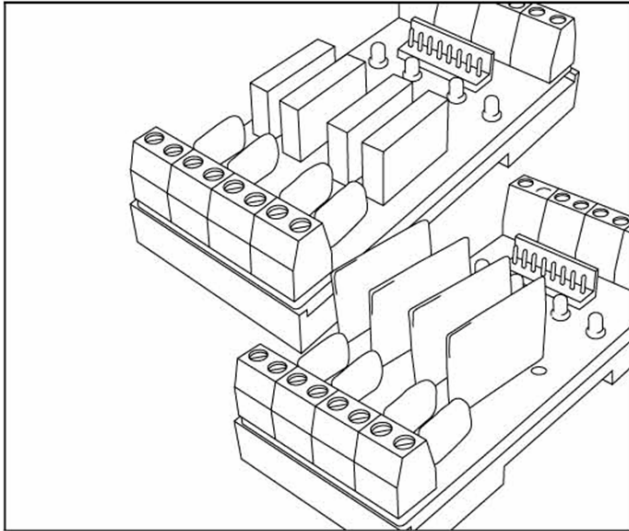


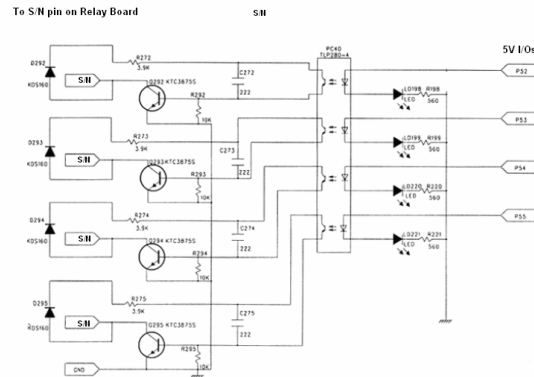


# Relay4 & SSR4

**Control high voltage AC/DC devices with these Relays**



\*If you are using 5V I/O ports or other MCUs, you will need a 24V TR Output circuit: like this using a photocoupler for the Relay4 Board. **The SSR4 Board may accept 4-24V for S/N.**



## 1. Introduction

Do you need to control high voltage AC or DC devices from a digital controller? The Relay4 and SSR8 Boards give engineers the ability to control up to 4 AC devices from an industrial controller such as CUBLOC or CuTOUCH. The Relay4 Boards can also control DC devices up to 30V. Whether you design small or large industrial controllers, these boards can help you save time and money.

The Relay4 and SSR4 Boards are composed of 4 individual relays. The user may easily take advantage of the flexibility and low-cost.

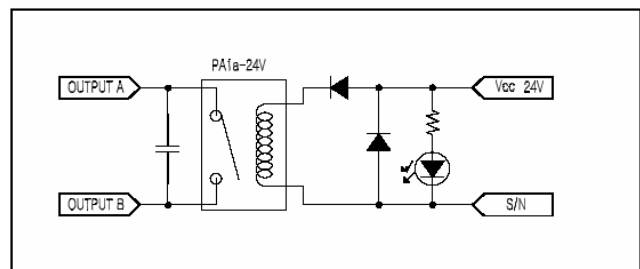
To use the Relay4 Board, simply connect VCC to 24V and S/N to your I/O Port on CuBASE 32M, 64M, or CuTOUCH CT1720 Add-On Board.

To use the SSR4 Board, simply connect VCC to 4-24V and S/N to your I/O Port on CuBASE 32M, 64M, CuTOUCH CT1720 (or Add-On Board), or any other MCU that output between 4 to 24VDC.

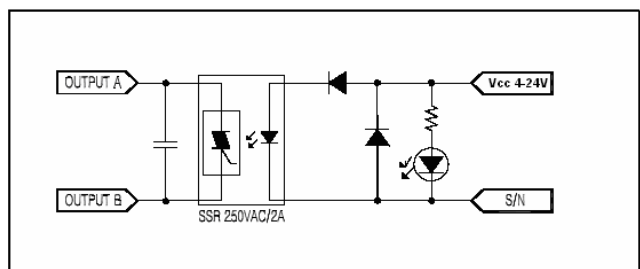
## 2. Applications

- Any AC device up to 250VAC (Relay4, SSR4)
- Any DC device up to 30VDC (Relay4)

[RELAY4 Board]



[SSR4 Board]





\*Polarity of Output A and Output B does not matter.

**2. Specifications**

**Relay4 Board**

Arrangement		PA1a-24V
Contact material		Gold-clad silver alloy
Initial contact resistance,max		30mΩ
Rating	Nominal switching capacitor	5A 250V, 5A 30VDC
	Maximum switching power	1250VA, 150W
	Maximum switching voltage	250V AC, 110V DC
	Max, switching current	5A
	Nominal operating power	180mW
	Coil resistance	3200Ω
	Minimum operating voltage	16.8V DC
	Maximum operating voltage	28.8V DC

**3. Example Program for CuBASE32M**

```

Const Device = CB280

'Connect Relay4's S/N to P40 of CuBASE32M and Vcc to 24V.
Do
    Out 40,1    'Turn relay ON
    Delay 500
    Out 40,0    'Turn relay OFF
    Delay 500
Loop
    
```

**SSR4 Board**

Arrangement		PDA1-202Z	PDA1-205Z
Load	Load Voltage ( OutputA-B)	50V~240Vrms	50V~240Vrms
	Load Crrrent	2A	5A
	Maximum Voltage	600V	600V
	Peak 1-Cycle Surge Current	30A	70A
	On-State Voltage Drop	2MAX	2MAX
	Off-State Leakage Current	1MAX	1MAX
	Input	Nominal operating power	4V~32VDC
Pick-up Voltage		4MAX	4MAX
Drop-out Voltage		1Min	1Min

**4. Dimensions**

