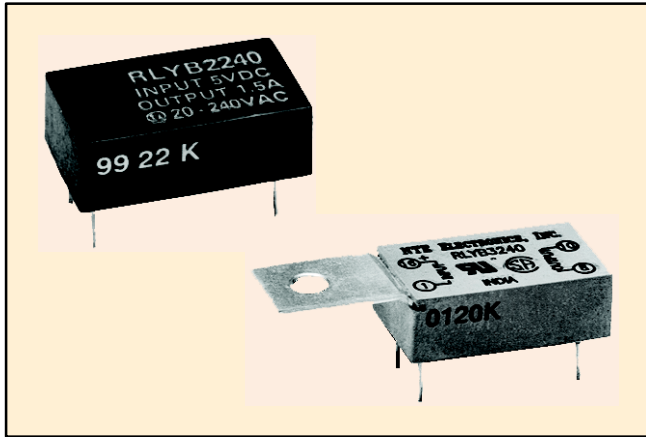


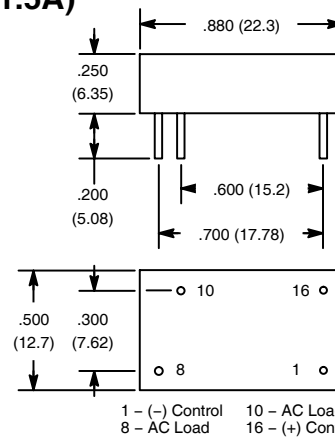
## Features

- Logic Compatible Inputs
- 4000V<sub>rms</sub> Optical Isolation
- Zero Voltage Switching
- PC Mountable

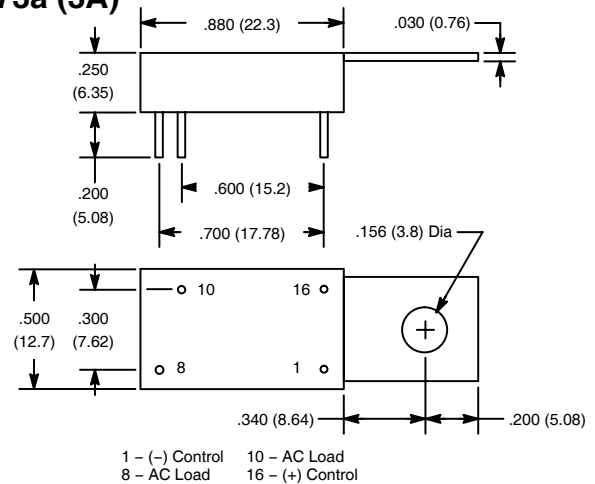


# RLYB2240/3240

## PC Board Mountable, SPST-NO Solid State Relay, 1.5 Amp & 3 Amp. D73 (1.5A)



## D73a (3A)



## Input Specifications

**Nom. Input Voltage:** 5VDC  
**Max. Input Current:** 16mA  
**Must Turn-On Voltage:** 4VDC  
**Must Turn-Off Voltage:** 2VDC

## Output Specifications

**Nom. AC Voltage RMS (20-500Hz):** 240V  
**RMS Current:** 1.5A (RLYB2240); 3.0A (RLYB3240)  
**Non-Repetitive One Cycle Surge Current (60Hz):** 25A (RMS)  
**Line Voltage Range (20-500Hz):** 24-240 VAC  
**Off-State Current:** 1000µA at nom. RMS voltage  
**Peak On-State Voltage (V<sub>TM</sub>):** 1.7V max. at rated RMS current  
**Peak Transient Overvoltage:** 500V

## Electrical Specifications

**Dielectric Strength**

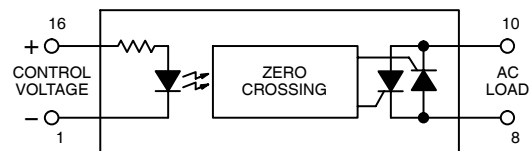
**Input To Output:** 4000 VRMS  
**Terminals to Tab/Case:** 4000 VRMS

**Max. Rate of Rise Off-State Voltage (dv/dt):** 200V/µs  
**Capacitance (Input-Output):** 3.0pF typ.  
**Response Time:** 1/2 Cycle of operating frequency max.

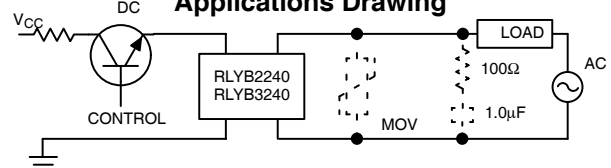
## Environmental Characteristics

**Operating:** -25°C to +85°C  
**Storage:** -25°C to +150°C

## Schematic



## Applications Drawing



**Note:** Under certain low power factor load conditions, it may be advisable to connect an RC snubber network across the relay output. A snubber is also useful in the event of severe high voltage line spikes. While these do not generally cause damage to the relay, they may induce false cycle turn-on.