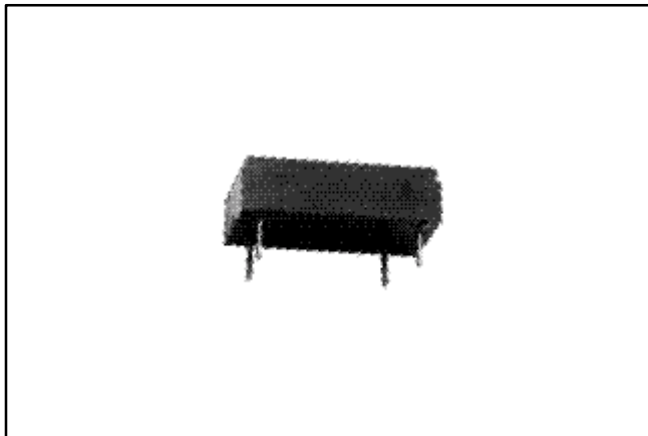


Features

- Logic Compatible Inputs
- 4000V_{rms} Optical Isolation
- Zero Voltage Switching
- PC Mountable



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_{TM}): 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

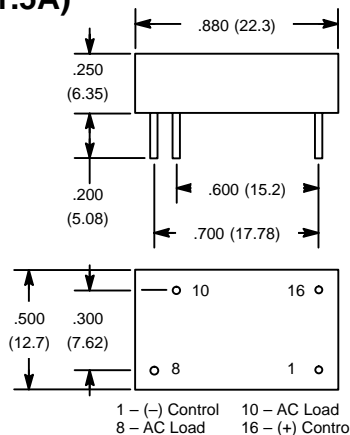
Max. Rate of Rise Off-State Voltage (dv/dt): 200V/μs
 Capacitance (Input–Output): 3.0pF typ.
 Response Time: 1/2 Cycle of operating frequency max.

Environmental Characteristics

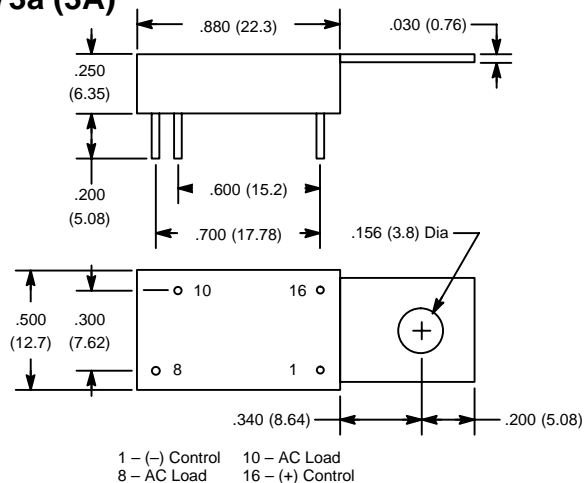
Operating: –25°C to +85°C
 Storage: –25°C to +150°C

RLYB2240/3240

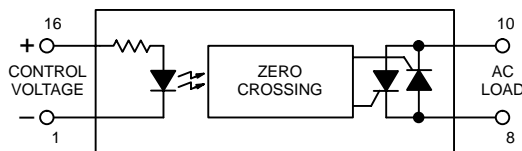
PC Board Mountable, SPST–NO Solid State Relay–1.5 Amp & 3 Amp D73 (1.5A)



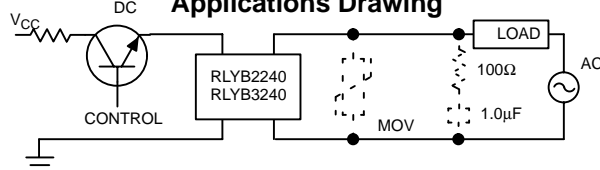
D73a (3A)



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.