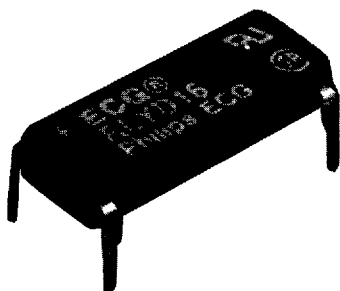


Series D



Solid State, DIP, 1 Amp, SPST, Normally Open, Relays

- Current or Voltage Input Types
- SCR Output
- 16 Pin DIP Package with 4 Terminals
- Zero Voltage Switching
- 4000 Vrms Optical Isolation
- Epoxy Sealed, Immersion Cleanable
- Socketable

Ratings (Current Input Type)

ECG Type	Input Section			Output Section						
	Current*		LED Voltage Drop	Voltage Range	Peak Voltage	Current		Single Cycle Surge	On State Voltage Drop	Zero Voltage Turn On
	Min	Max				Min	Max			
	mA	mA				mA	A			
RLYD16	5	30	1.7	12-280	600	5	1	10	1.8	5

* Unit does not have an internal current limiting resistor. An external resistor must be used to maintain proper operating current at desired input voltage.

Ratings (Voltage Input Type)

ECG Type	Input Section			Output Section						
	Voltage		Max Reverse Voltage	Voltage Range	Peak Voltage	Current		Single Cycle Surge	On State Voltage Drop	Zero Voltage Turn On
	Min	Max				Min	Max			
	V	V				mA	A			
RLYD16A	3.5	8	5	12-280	600	5	1	10	1.8	5

Static (Off State) dv/dt 1,000 V/μS Min.
Commutating (On State) dv/dt 100 V/μS Min.
Blocking Voltage ± 600 V Peak
Capacitance (Input to Output) 10 pF Max.
Transient Noise Immunity 3,000 Vp-p Min.
Duty Continuous
Operating Temperature -30°C to +85°C
Storage Temperature -40°C to +100°C
Initial Insulation Resistance 100 Megohms @ 500 VDC
Turn On Time 8.3 ms Max.
Turn Off Time 8.3 ms Max.

Accessories — Sockets

Style	Description	Relay Contact Arrang.	Socket Type No.
DIP PC mount, Solder Terminals	16-Pin DIP	Form 1A	ECG416
Wire Wrap Terminals	16-Pin DIP	Form 1A	ECG436W16

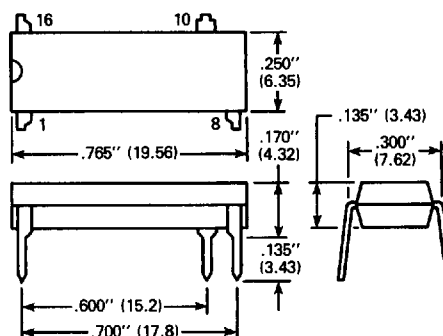
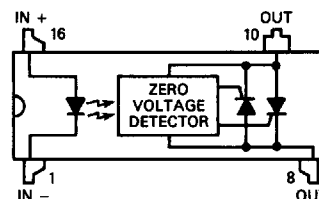
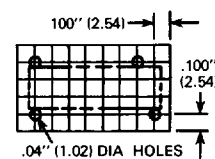


Fig. R8



Equivalent Circuit



P.C. Board Layout