

1350 Series AC Voltage Level Sensor, Relay Output

Product Facts

- Standard models combine AC (400 Hz.) voltage-sensing circuit with 2A DPDT output relay
- Various applications
 - Motor protection
 - Ground support equipment
 - Low or high line alarms
 - Computer protection
- Many customizing options
 - Solid state output
 - Two-stage sensing (voltage band)
 - Up to 10A relay output
 - 3 phase version
 - Controlled dropout differential
 - Operate with auxiliary control voltage
 - Under and over voltage trip
 - Time delay on trip point
 - Tighter accuracy
 - Lower trip points
 - Different package, mounting, header
 - 60 Hz. versions

Electrical Specifications

Pull-In Voltage — Any voltage level between 50 to 150Vac, 400 Hz., in 1.0 volt increments

Drop-Out Voltage — 0 to 3.0V max, (1.5V nom.) below pull-in voltage

Current Drain — 100mA max @ 25°C

Accuracy — ±2.5% of set point over temperature range

Max. Allowable Applied Voltage — 150% of specified pull-in voltage

Auxiliary Voltage — None required

Operate and Release Times — 50ms max. over the temperature range

Contact Arrangement — 2 Form C (DPDT)

Contact Rating —
2 amps resistive @30Vdc
300mA resistive @ 115 Vrms, 400 Hz

Environmental Specifications

Temperature Range —
-55°C to +125°C

Vibration — 20G's, 10 - 2,000 Hz

Shock — 50 G's, 11 ± 1ms duration

Insulation Resistance — 1,000 megohms, min., at 500Vdc, all terminals to case

Dielectric Strength — 1,000Vrms, 60 Hz., at sea level, all terminals to case

Sealing — Hermetic, 1.3 in. (33.0mm) of mercury

Life — 100,000 operations, min.

Weight: 3.5 oz (99.2g) max.

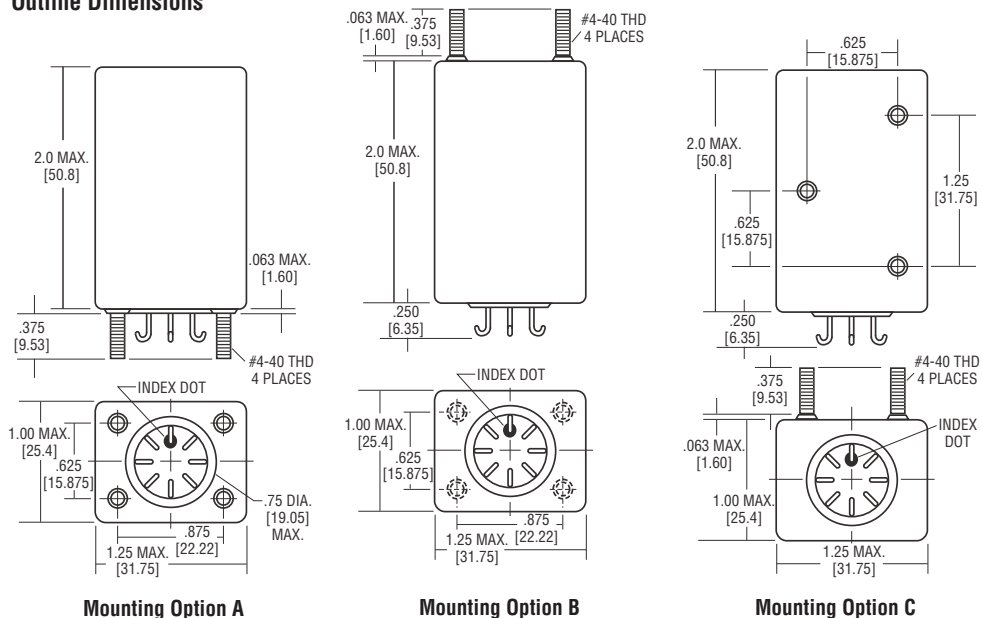


The Kilovac 1350 series AC voltage sensor energizes a relay when the monitored power line voltage reaches a predetermined level. This rugged unit with reliable solid-state design provides precise, repeatable operation over a wide temperature

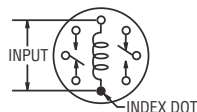
range. The input voltage is fed into a temperature compensated comparator circuit. When the input reaches the preset level, transistor amplifiers switch the output relay. This output may control any external devices, process or warning

system to protect expensive equipment. The unit is potted and hermetically sealed and is designed to meet the environmental requirements of MIL-R-83726.

Outline Dimensions



Wiring Diagram



Part Numbering System

Typical Part Number	1350	- 2	A	- 100.0
Series:	1350 = AC Voltage Level Sensor, Relay Output			
Contact Form:	2 = 2 Form C (DPDT)			
Mounting (see outline dimension drawings):	A = Studs on bottom B = Studs on top C = Studs on side			
Pull-In Voltage:	Specify any level between 50 and 150Vac in 1.0 volt increments			