

DARE AC Voltage Sensors are designed to protect system equipment and circuitry from voltage that is hazardous or unsuitable for operation. DARE AC Voltage Sensors are designed to operate in a wide variety of military and industrial environments. Models are available for operation with single or three phase voltage systems and for DC, 50, 60, or 400 Hz. applications. They can be used to monitor for under-voltage, over-voltage, or a voltage window. In the event that the sensor detects an undesirable voltage condition, the output of the sensor can be used to activate alarms, shed loads, or shutdown systems.



DESIGN FEATURES

- DC, 50 Hz, 60 Hz, or 400 Hz operation
- Single or three phase AC sensing models (Wye or Delta)
- Under-voltage, over-voltage, or voltage band models
- Lowest phase, highest phase, or three phase averaging AC sensing modes available
- Powered from sensing input lines or from separate AC or DC supply
- Relay output configurations in SPDT, DPDT, and 3PDT up to 10 amperes rating. Custom configurations available
- Solid State normally open outputs available
- Available with time delays on pull-in and/or drop-out or with customized voltage-time trip curves
- Wide variety of finishes, enclosures, connectors, and mounting arrangements

GENERAL SPECIFICATIONS

ELECTRICAL		ENVIRONMENTAL	
Input (Operating)		Temperature:	Per MIL-STD-810, Methods 501 & 502
Nominal Voltage:	As Required*	Operating:	-40°C to +85°C
Nominal Frequency:	DC/50/60/400 Hz.	-or-	-55°C to +125°C
Voltage Transient:	Per MIL-STD-704	Storage:	-65°C to +150°C
Input (Sense)		Vibration:	Per MIL-STD-810, Method 514, Procedure I 10-2000 Hz., 20 G's
Under-Voltage Set Point:	As Required*	Acceleration:	Per MIL-STD-810, Method 513, Procedure I and II, ±10 G's
Over-Voltage Set Point:	As Required*	Shock:	Per MIL-STD-810, Method 516 Procedure I, 50 G's - 11 ms
Voltage Band:	As Required*	Humidity:	Per MIL-STD-810, Method 507, Procedure II
Trip Point Accuracy:	±1%, ±5%, ±10%	Altitude:	Per MIL-STD-810, Method 504, Category 6 Equipment, Sea Level to 70,000 Ft.
Pull-In Time Delay:	As Required*	CONSTRUCTION	
Drop-Out Time Delay:	As Required*	Enclosure:	Hermetically sealed and Encapsulated or gasket sealed
OUTPUT CONTACTS		Connector:	Glass to metal seal, solder Hook, or MS3113H type connector on request
Configuration:	SPDT, 2PDT, 3PDT	Finish:	Various finishes available
Contact Rating @ 28 VDC			
Resistive:	2 A 10 A		
Inductive:	.75 A 6 A		
Contact Life:	50,000 operations, minimum		
Contact Resistance, Initial:	.075 ohms, maximum		
Dielectric Strength:	1000 VRMS @ 60 Hz		
Insulation Resistance:	100 megohms @ 500 Vdc		

- These parameters can be custom specified to ensure maximum performance and reliability for any application
- Contact factory for special requirements

CALL 1-800-FON-DARE

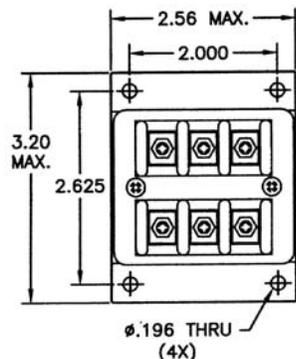


DARE[®] Electronics, Inc.

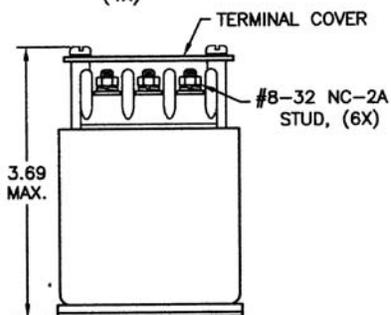
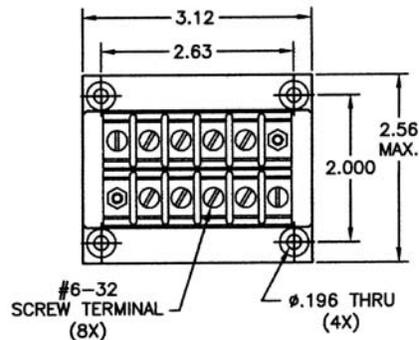
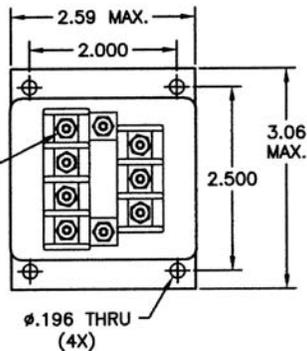
3245 S. County Rd. 25A, Troy, Ohio 45373
Phone (937) 335-0031 Fax (937) 339-6948

AC VOLTAGE SENSORS

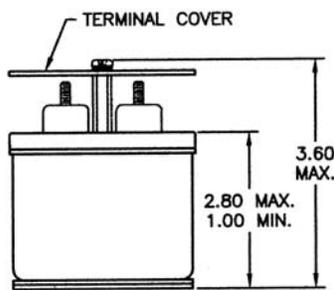
STANDARD ENCLOSURE STYLES



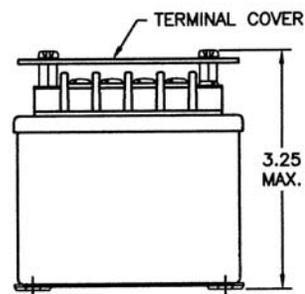
#6-32 SCREW TERMINAL (7X)



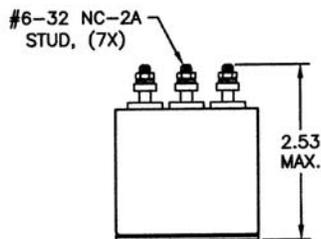
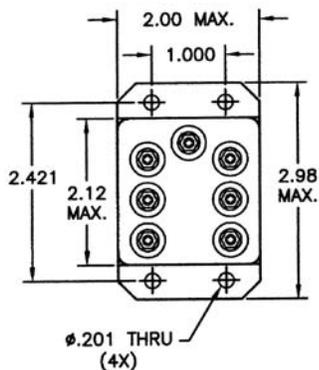
MODEL "A"



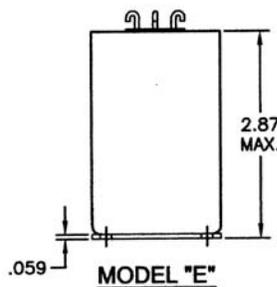
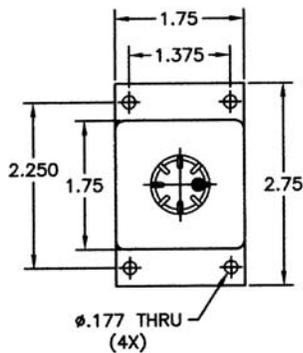
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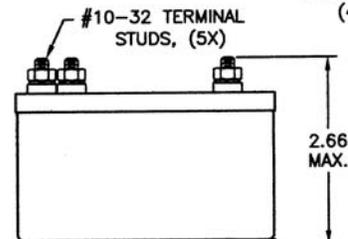
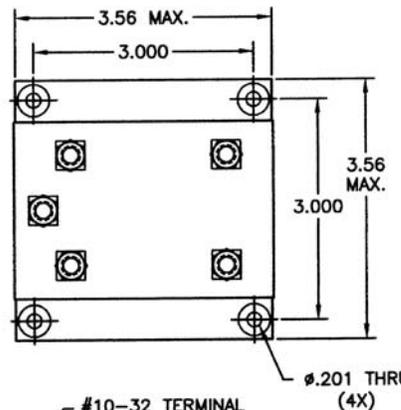
MODEL "C"



MODEL "D"



MODEL "E"



MODEL "F"

Contact Factory for Additional Styles & Options

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