



# E-MAX BUR/BVR

BATTERY VOLTAGE RELAY



- High Reliability
- High Input Impedance
- Simple Installation
- Monitors 24 V, 48 V, 125 V, and 250 V batteries



Battery Voltage Relays supply alarm indications at precise voltages for undervoltage and overvoltage conditions. The BVR is designed to prevent damage and incorrect operation during anticipated transient conditions.

The Battery Voltage Relay features top mounted terminals for easy access to electrical connections. Also located on the top exterior are undervoltage and overvoltage test points and the trip setting pots with locking bushings. The relay can be securely mounted through four holes located on the base of the unit.

## ORDERING INFORMATION

Part No.	Model	Nominal V	Type
999C125	BVR	125 V	Over and Under Voltage
999C127	BVR	48 V	Over and Under Voltage
999C128	BVR	24 V	Over and Under Voltage
999C130	BUR	125 V	Undervoltage Only
999C132	BUR	48 V	Undervoltage Only
999C133	BUR	24 V	Undervoltage Only
999C135	BUR	250 V	Undervoltage Only
999C140	BUR	125 V	Dual Set Point Undervoltage Only
999C141	BUR	48 V	Dual Set Point Undervoltage Only

## SPECIFICATIONS

Setting Ranges 70 to 140% of nominal battery voltage  
 Accuracy Setting  $\pm 0.5$  Volts over entire range of voltage and environments  
 Outputs UV N.C. Contacts - dropout for undervoltage  
 OV N.O. Contacts - close on overvoltage

Contact Rating

	Resistive	Inductive
125 Vac	5A	2.5A
30 Vdc	3A	0.6A

*expected life-5 x 10<sup>8</sup> operations at above ratings*

Operate Time 2 seconds minimum 5 seconds nominal  
 Noise Immunity IEEE/ANSI Standard C 37.90a -1989 compliance  
 Case Dimensions 6.0 x 3.375 x 4.06 inches

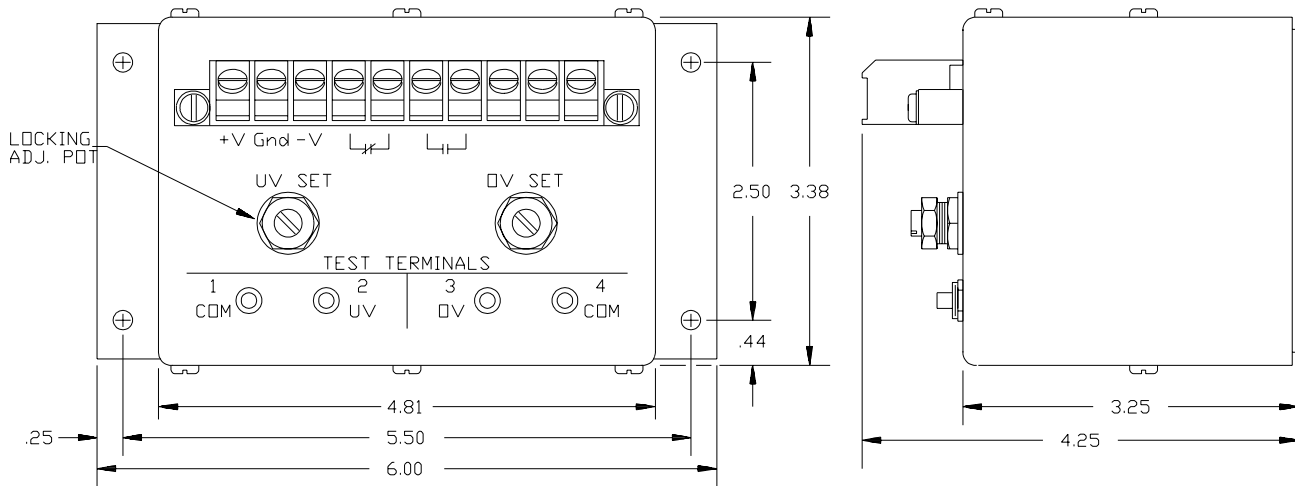
Case Material Anodized Aluminum  
 Weight 1.0 - 1.5 lbs

Temperature Range  
 Operating 0 - 55 C  
 Storage -54 to 71 C

Setting Single turn Locking Potentiometer 6 Midpoints Setting by internal potentiometer  
 Humidity 0 to 95% R.H. non-condensing  
 Vibration 0 to 2.5 g., Up to 25 Hz

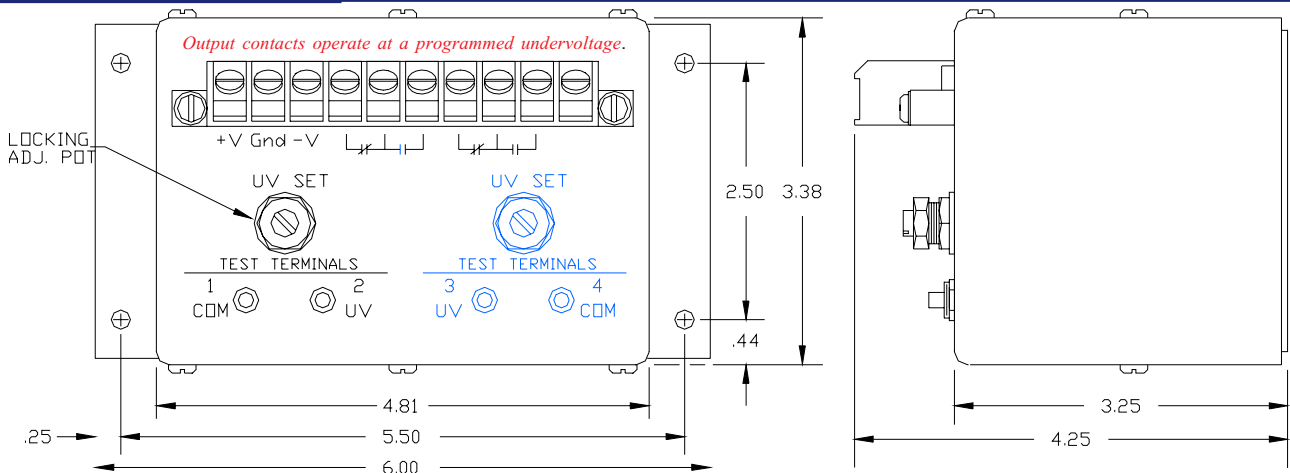
## STANDARD CASE DIMENSIONS

ALL DIMENSIONS IN INCHES



## Battery Voltage Relay

P/N 999C125, 999C127, 999C128



## Battery UnderVoltage Relay

P/N 999C130, 999C132, 999C133, 999C135, 999C140, 999C141

*Dual Set Point Units*