NORTEK
ELECTRONICS LTD

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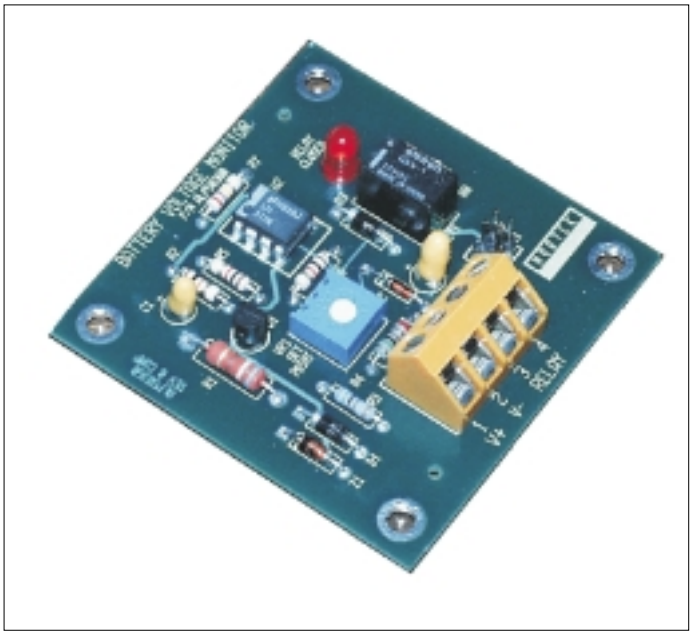
Product Information

ALPS0360 Voltage Monitor



features

12, 24 or 32 volt options

High stability reference

High or low voltage sensing

Open or close of fault output

Field adjustable

Factory calibration optional

description

The ALPS0360 monitor is designed to sense the status of the battery voltage on 12, 24 or 32 volt systems. The device may be programmed to provide an alarm on either a high or low voltage condition.

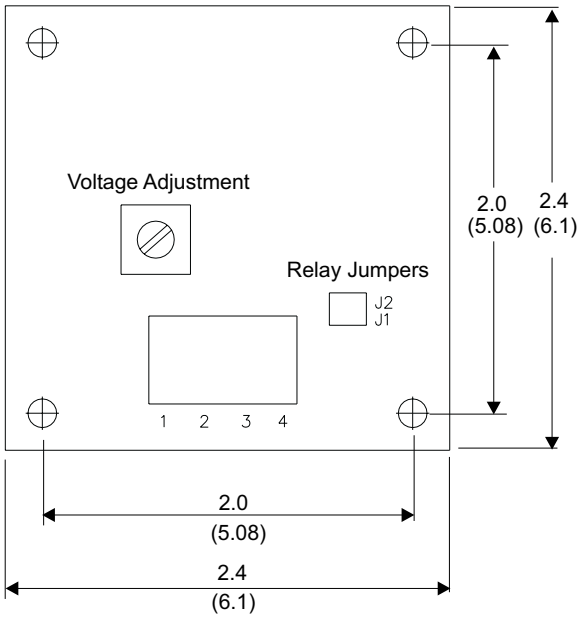
A high precision reference is used to provide long term accuracy and stability. The critical voltage is set by the on board potentiometer. A fixed hysteresis is incorporated to provide a clean transition at this set point.

The output status is supplied via a dry relay contact which may be configured to either open or close when a fault condition is detected. This configuration is achieved by selecting the correct jumper according the mode of operation and the desired output state.

A LED is provided to assist in the adjustment of the trim pot and indicates when the relay is active.

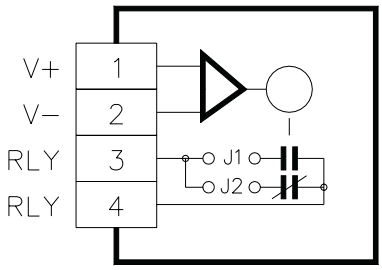
For further information on this or other Nortek products, please contact us via any of the following methods-

Telephone: (604) 980 2811 / Facimile: (604) 980 0907 / Internet: http://www.nortek.com



DIMENSIONS

Dimensions are in inches (cm.)



BLOCK DIAGRAM

SPECIFICATIONS

Range(12 volt option)	11 - 16 VDC
Range (24 volt option)	19 - 32 VDC
Range (32 volt option)	30 - 40 VDC
Hysteresis	1.5% @ 12 volts
Weight	0.8 oz. (23 g)
Max current draw	50 mA. @ 24 VDC (relay closed)

CONFIGURATION AND SETUP

The voltage monitor board can be set for either open or close on fault for both high and low voltage detection as follows:

Hi Voltage - open on fault:	Select J2
Hi Voltage - close on fault:	Select J1
Lo Voltage - open on fault:	Select J1
Lo Voltage - close on fault:	Select J2

For high voltage monitoring, adjust the potentiometer clockwise until the LED goes off and then counter clockwise until the LED just comes on.

For low voltage monitoring, adjust the potentiometer counter clockwise until the LED comes on and then clockwise until the LED just goes out.