

# Deep Sea Electronics Plc

200 series CONTROL MODULES

## MODEL 201 LOW VOLTAGE ALARM UNIT

### DESCRIPTION

The DSE Model 201 Low Voltage Alarm Unit has been designed to monitor a D.C. voltage level and give an alarm output should the voltage fall below a present level. The unit is enclosed in a robust plastic housing with indication of trip condition. Customer adjustments for both voltage level and time delay are provided. Connections to the unit are via an 11 pin octal base.

- Indication of unit tripped by LED
- Adjustable time period before trip
- Adjustable voltage trip level
- Voltage free 2 pole alarm relay

### SPECIFICATIONS

#### DC SUPPLY:

- 12v (10v to 16.5v)
- 24v (16.5v to 32v)
- Others on request
- Protected against polarization errors.

#### OPERATIONAL CURRENT:

Approx 80 milli amps.

#### OPERATING TEMPERATURE RANGE:

-10° to + 60° C

#### CASE MATERIAL:

Plastic

#### CONNECTIONS:

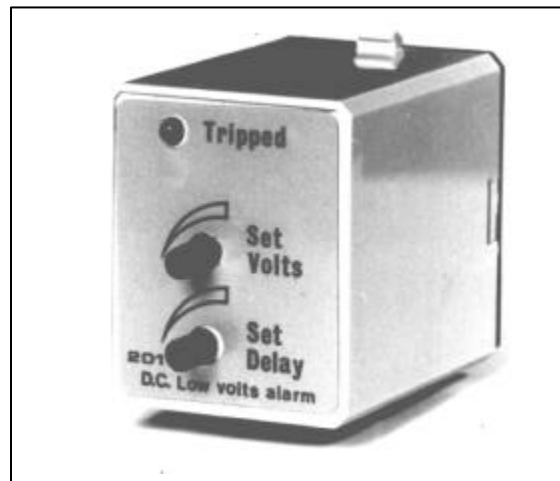
11 pin octal base

#### FAULT INDICATOR:

Light emitting diode

#### ALARM RELAY CONTACT RATING:

Voltage free 2 pole change over  
De-energise on fault  
Maximum current 6 amp resistive  
Maximum volts 380 A.C.



### OPERATION

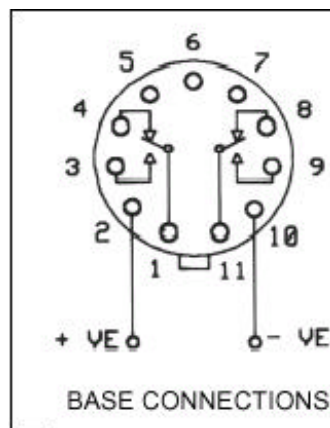
The unit is activated by connecting the unit's DC input to the supply rails. On connection of the supply the internal relay will be energised and the low voltage alarm will begin to monitor the supply.

Should the voltage fall below the trip level set on the front panel of the module, the internal timer will be activated. When the voltage remains below the trip point longer than this time period, the unit will de-energise the alarm relay and operate the LED to indicate a low voltage trip condition.

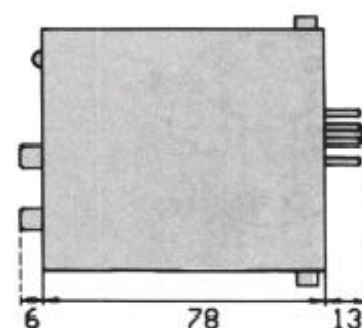
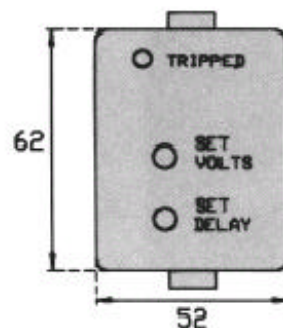
If the voltage dip is not longer than the set time period the timer will reset and the low voltage level will be ignored.

Both voltage level and trip delay period are adjustable on the front panel of the module.

### CASE DIMENSIONS



BASE CONNECTIONS



ALL DIMENSIONS ARE IN MM

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