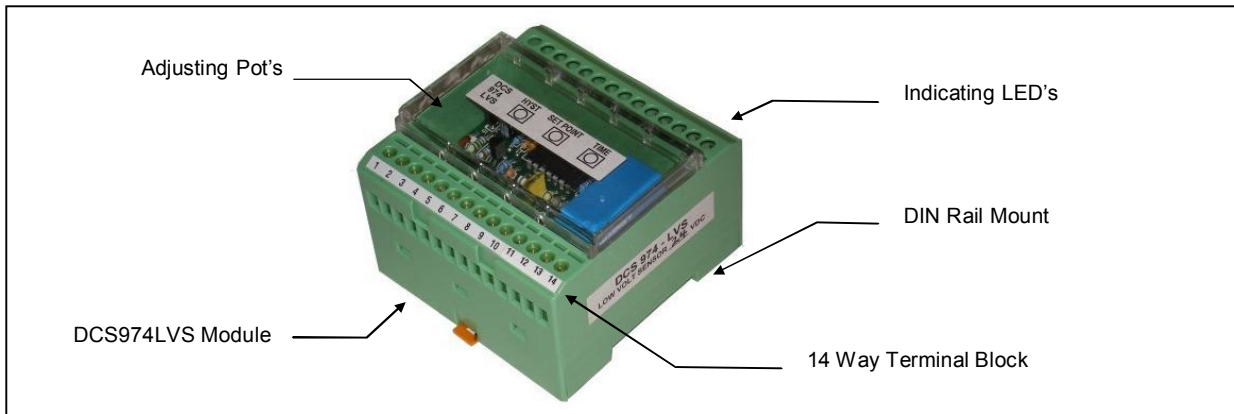


DCS 974LVS DC VOLTAGE SWITCH



DESCRIPTION

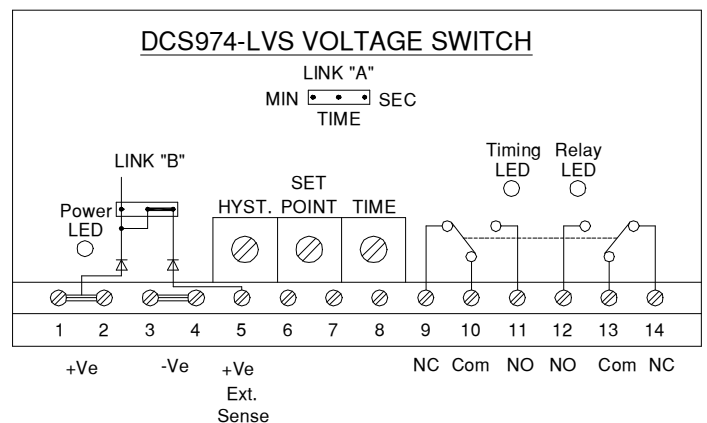
The DCS974LVS DC Voltage Sensing Modules are designed to monitor a DC voltage level and give an alarm output if the monitored voltage moves outside the set point limit. The relay output will then operate giving an alarm and/or indication signal. The unit is enclosed in a robust DIN rail mount thermoplastic housing with indication LED's for Supply On and Relay Operation. Settings and programming links are accessible by unclipping the clear front cover. The printed circuit board and components are tropic proofed.

OPERATION

The unit is activated by connecting the DC Supply voltage to the input terminals. The supply +Ve and sensing +Ve can be separated by the programming link B. On connection of the supply the green Power LED will light, the internal relay will be energised and the green Relay LED will light. The module will begin to monitor the DC voltage. If the voltage falls below the Set point by 5-30% the internal timer will be activated and the red Timing LED will light. When the voltage remains below this Hysteresis point longer than the preset time (0-30 Secs), the relay will de-energise and the green Relay LED will extinguish. If the voltage dip is not longer than the preset time period the timer will reset and the low voltage level will be ignored. When the voltage again rises above the original Set point the internal relay will be energised and the green Relay LED will light.

SPECIFICATIONS & WIRING

Supply Voltage: 12v (8-16.5v), 24v (18.5-33v)
Supply Current: 80 mA approx
Case Material: Thermoplastic
Operating Temp: -10 to 60°C Relay
Setting Range: 70-110%
Hysteresis: 5-30%
Time Range: 0-30 Sec, 0-30 Min set w. Link A
Contacts: 2 x volt free C/O 5 Amp Res.
De-energise on fault
Size: 75w x 75d x 53h
Protected against reverse polarity



NOTE: This module is designed as a universal unit to suit as many automotive type applications as possible. However there may be some systems where the input or output signals are not compatible with this unit. The manufacturer is not responsible for incorrect fitting or damage caused by or during the fitting of this module.