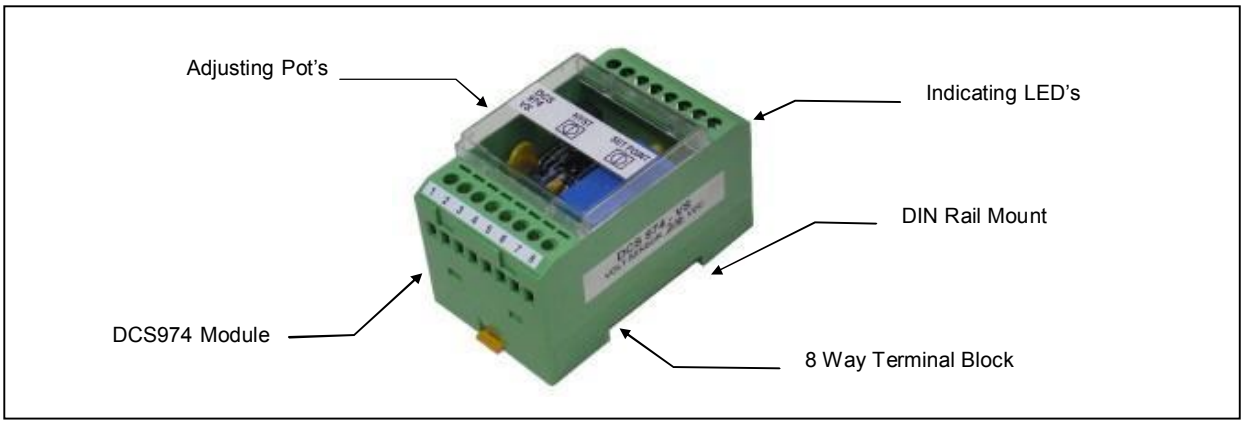
BOLEC DCS

DCS 974VS DC VOLTAGE SWITCH



DESCRIPTION

The DCS974VS 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 plastic 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 LED will light and the internal relay will remain de-energised. Should the voltage rise above the trip level set point the relay will energise and operate the Red LED to indicate a high voltage trip condition. When the voltage is returned to below the trip level by 5-30% (Hysteresis) the relay will de-energise. The voltage level is adjustable from 85-130% and the drop out hysteresis is adjustable from 5-30%.

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
Contacts:	1 volt free C/O 5 Amp Res. 1 volt free NO or NC, (w/ link A)
Setting Range:	85-130%
Hysteresis:	5-30%
Size:	53h x 45w x 7d

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.