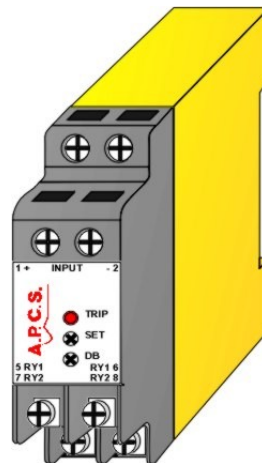


High Voltage Relay (v1) HVR272

DESCRIPTION

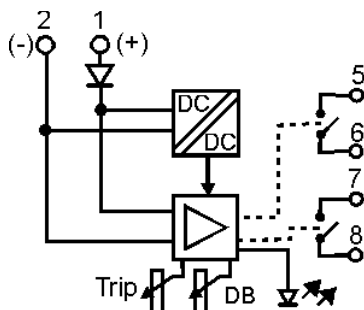
The signal powered High Voltage Relay HVR272 is used to monitor critical voltage levels (low or high) up to 490Vac / 700Vdc. Typical applications include field excitation on DC motors and over voltage monitoring on 600Vdc systems. The unit has two independent relay contact outputs which can be used for system shut-down and PLC or DCS inputs. Both the relays are energised with voltage present and can be configured for NO or NC contacts. Trip status is indicated by a red LED. Trip point and dead-band can be adjusted by a 15 turn trim pot accessible from the front of the unit. Due to its total width of only 22.5 mm and using the 35mm Din-Rail mounting arrangement, the HVR272 is ideal for "nestmounting" in field enclosures or as a "space saver" in control cabinets. The HVR272 is powered from the voltage being monitored.



Specifications

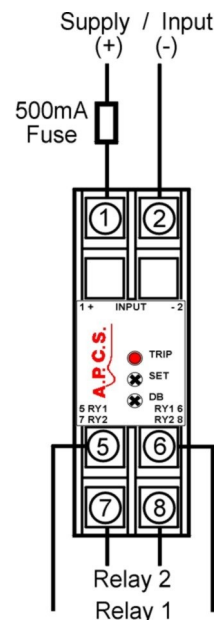
Size:	22.5W x 68H x 120D (mm).
Mounting:	Clip for 35mm DIN-Rail.
Housing material:	Polycarbonate.
Connection:	Screw terminals.
Protection class:	IP40 (IP65 Enclosure opt.)
Weight:	0.15 kg.
Input range:	50 to 700Vdc 40 to 490Vac (50 to 400Hz).
Trip threshold:	20% adjust around specified point.
Relay contacts:	8A/250Vac resistive, 3.5A/250Vac Inductive
Repeatability:	0.5%.
Deadband:	Adjustable 2-16% of trip point.
Response time:	0.5 Sec.
Input to output isolation:	2kV rms
Electromagnetic compatibility:	Complies with AS/NZS 4251.1 (EN 50081.1)

Block Diagram



A 500mA fuse is recommended on the input connection.

Connection



Ordering Information HVR272 - X X 10

Input: _____

(specify trip point)

1 = 100-700Vdc / 70-490Vac

2 = 50-500Vdc / 40-350Vac

Output: _____

1 = 2 x normally open contacts.

2 = 2 x normally closed contacts.

3 = Relay 1 x normally open contact , Relay 2 normally closed contact.

*) Price Extra..

In the interest of development and improvement, A.P.C.S. Pty. Ltd. reserve the right to amend, without notice, details contained in this publication. A.P.C.S. PTY. LTD. will accept no legal liability for any errors, omissions or amendments.