

# High Voltage Relay v2 HVR272

## DESCRIPTION

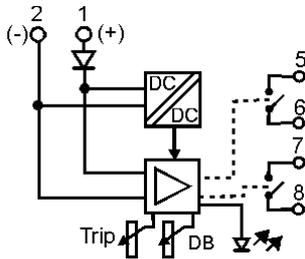
The signal powered High Voltage Relay HVR272 is used to monitor critical voltage levels (low or high) up to 490Vac / 700Vdc. Typical applications include field excitation on DC motors and over voltage monitoring on 600Vdc systems. The unit has two independent relay contact outputs which can be used for 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. The HVR272 is powered from the voltage being monitored.



## Specifications

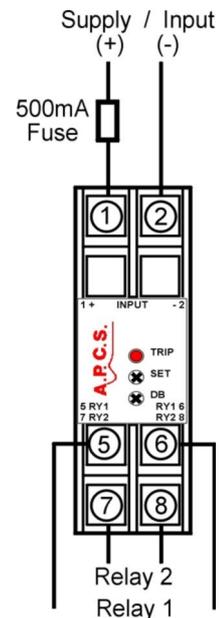
Size:	23.5W x 71.5H x 109D (mm).
Mounting:	Clip for 35mm DIN-Rail.
Housing material:	ABS.
Connection:	Screw terminals.
Protection class:	IP40 (IP65 Enclosure opt.)
Weight:	0.15 kg.
Input range:	50 to 700Vdc 40 to 490Vac (50 to 400Hz).
Trip threshold:	20% adjust around specified point.
Relay contacts:	8A/250Vac resistive, 3.5A/250Vac Inductive
Repeatability:	0.5%.
Dead-band:	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.

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