

700 Series DC Voltage Sensing Relay

Features

- Ten year factory warranty
- Plug in measuring module
- Double insulated high impact polystyrol case
- Termination socket included for surface mounting enabling front or rear connection with optional DIN rail mounting
- Proven circuit designs based on over 15 years of field service in hundreds of varied & demanding applications
- Easy to set calibration scales
- Tolerance to shock & vibration for generator, compressor & mobile applications
- Made in Australia

Technical Data

VOLTAGE RANGES - PICK UP

RANGE 1	15 - 30 Volts
RANGE 2	30 - 60 Volts
RANGE 3	75 - 150 Volts

VOLTAGE RANGES - DROP OUT

ALL RANGES 75 - 98% of pick up

AUXILIARY POWER SUPPLY

Self powered from sense input

SETTING ACCURACY

+/-5% of full scale

POWER CONSUMPTION

5VA maximum

MAXIMUM WITHSTAND

125% of maximum setting continuously & 150% of maximum setting for 3s. (400V max.)

OUTPUT CONTACTS

2 C/O with 1KV isolation across contacts

SWITCHING CAPACITY

5 Amp 250V AC resistive
5 Amp 30V DC resistive

OPERATING TEMPERATURE RANGE

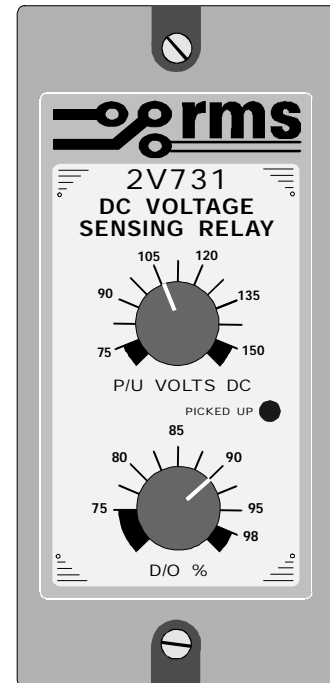
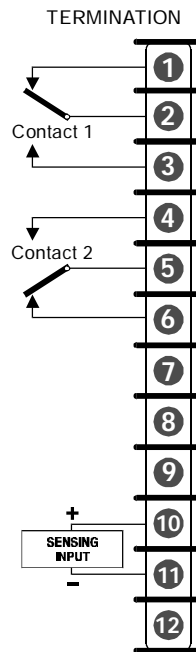
-5 to 55 degrees C.

INSULATION WITHSTAND

In accordance with AS2481-1981 (clause 5-4), IEC 255-5: 2KV RMS between input & frame, output & frame, & output & input. 1.2/50 5KV impulse between each terminal & earth, between circuits not normally connected together & between terminals of the same circuit.

NOISE IMMUNITY

Withstands the high frequency interference test detailed in AS2481-1981 (clause 5-5 App. D), IEC 255-22-1.



Description

Made in Australia

The 2V731 Series relays are solid state voltage sensing relays with electromechanical output contacts. Designed for application on DC voltage systems the 2V731 is ideally suited to monitor power supply voltage levels wherever high accuracy and reliable, maintenance free operation is essential.

The 700 Series range of electronic measuring relays are manufactured as a modular approach to electrical system protection & control. Designed to meet rigid Australian & international specifications the 700 Series provide a flexible, cost effective & extremely reliable solution for a multitude of applications under electrically hostile conditions.

Application

All power to operate the relay is derived from the sensed voltage therefore an auxiliary supply is not required. The output relay operates when the input voltage exceeds the pickup setting (P/U) and visual indication is provided by a red LED on the front panel.

The output relay will reset when the input voltage drops below the preset value displayed as a percentage of the selected pickup voltage (D/O).

