Powering Innovation

JVS
ELECTRONICS
ISO 9001 COMPANY

PROTECTION + AUTOMATION + CONTROL

MICRO PROCESSOR BASED INSTANTANEOUS / DEFINITE TIME DC OVER VOLTAGE RELAY

JRV 212

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DC OVER VOLTAGE RELAY
JRV 212

FEATURES

- Software based design
- Wide auxiliary supply
- Low burden

APPLICATION

The relay provides DC Over voltage protection for DC systems.

PRINCIPLE OF OPERATION

The Relay JRV 212 provides over voltage protection for DC systems. The Relay operating time is determined by the set definite time through DIP switches on the front panel of the relay. The relay measures the input voltage and if it exceeds the set threshold, the relay extends a trip signal after the operating time. The relay output contacts are self reset type. The TEST button facilitates testing of relay output contacts for the trip and alarm circuits.

TECHNICAL DATA

RATINGS

Voltage rating (DC)	:	24V, 30V, 48V, 50V, 110V,220V, 250V DC
Auxiliary supply	:	110V, 230V AC

SETTINGS

Over Voltage setting (JRV 212)	:	105 to 170% in steps of 5%
Definite time	:	0 to 15s in steps of 1s (0s - Instantaneous)

OVER LOAD RATINGS

Voltage input	:	2 times Rated continuous

BURDEN

Voltage input	:	Less than 2W at Rated
Auxiliary supply	:	Less than 6VA (Non Operated) Less than 8VA (Operated)

ACCURACY

Operating value	:	±5%
Operating time	:	± 5% or ± 20ms
Instantaneous Time	:	Less than 60ms

CONTACT RATINGS

Output contacts	:	10A at 24V DC/230V AC

CONTACTS DURABILITY

Unloaded contact	:	1,000,000 Operations
Loaded contact	:	100,000 Operations

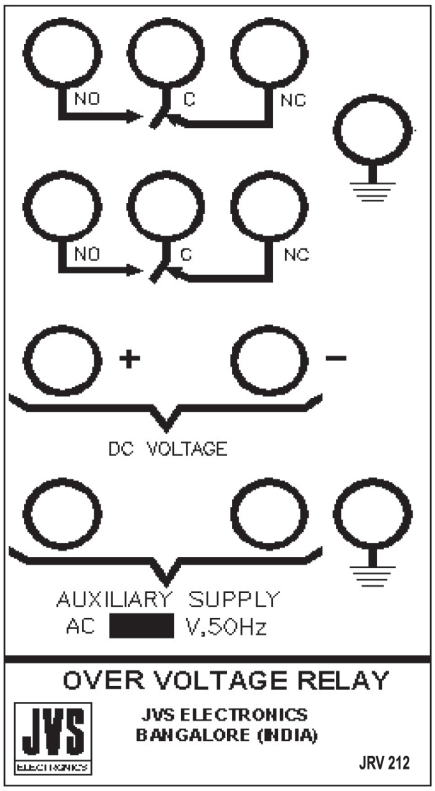
MECHANICAL DESIGN

Weight	:	Appx. 1000gms
Case size	:	83 x 148 sq mm, depth 125mm
Installation	:	Flush mounting
Panel cutout	:	73mm x 138mm

STANDARD COMPLIANCE

Accuracy Test	:	IEC 60255-3
Insulation Test	:	IEC 60255-5

TERMINAL DIAGRAM



ORDERING INFORMATION

Voltage rating	:	24V, 30V, 48V, 50V, 110V,220V, 250V DC
Relay type	:	JRV 212 (DC OVR)
Auxiliary supply	:	110V, 230V AC