



Powering Innovation



PROTECTION + AUTOMATION + CONTROL

# MICRO PROCESSOR BASED INSTANTANEOUS / DEFINITE TIME DC UNDER VOLTAGE RELAY JRV 202

**JVS ELECTRONICS PVT. LTD.**

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## FEATURES

- ◆ Software based design
- ◆ Wide auxiliary supply
- ◆ Low burden

## APPLICATION

The relay provides DC Under voltage protection for DC systems.

## PRINCIPLE OF OPERATION

The Relay JRV 202 provides under 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 it 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
Auxiliary supply	:	110V, 230V AC

### SETTINGS

Under Voltage setting (JRV 202)	:	30 to 95% in steps of 5%
Definite time	:	0 to 15s in steps of 1s (0s - Instantaneous)

### OVER LOAD RATINGS

Voltage input	:	2 times Rated continuous
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### BURDEN

Voltage input	:	Less than 2W at Rated
Auxiliary supply	:	Less than 2VA (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
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### CONTACTS DURABILITY

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

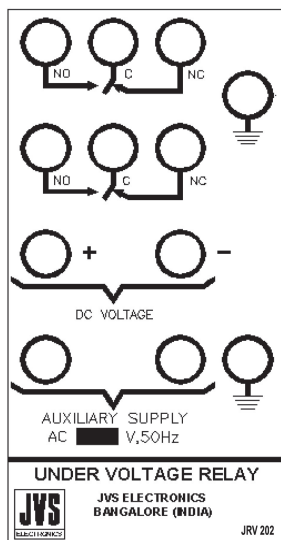
### MECHANICAL DESIGN

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 202 (DC UVR)
Auxiliary supply	:	110V, 230V AC