



PROTECTION + AUTOMATION + CONTROL

SINGLE POLE, AC UNDER VOLTAGE RELAY JRV 022

JVS ELECTRONICS PVT. LTD.

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SINGLE POLE, AC UNDER VOLTAGE RELAY JRV 022

FEATURES

- Software based design
- Wide auxiliary supply
- Low burden

APPLICATION

The relay provides under voltage protection of Motors, Generators, Capacitor Banks etc.



PRINCIPLE OF OPERATION

The Relay, JRV 022, provides under voltage protection for power systems. The Relay operating time is determined by set definite time. The relay measures the voltage from input PT and if it falls below the set threshold, the relay extends a trip signal after the operating time, which is determined by set definite time. The relay output contacts are self reset type. The TEST button facilitates testing of relay contacts for the trip and alarm circuits.

TECHNICAL DATA

RATINGS

:	110V / 230V /415 AC 20 to 60V DC 75 to 150V DC 175 to 300V DC / 185-250V AC
:	30 to 95% in steps of 5%
:	0.1 to 25s in steps of 0.1s
:	2 times Rated continuous
:	Less than 2VA at Rated
:	Less than 3W (Non Operated) Less than 6W (Operated)
:	±5%
:	± 5% or ± 20ms
:	Less than 40ms

CONTACT RATINGS

Ratings

: 10A at 24V DC / 230V AC

CONTACTS DURABILITY

Unloaded contact	:	20,000 Operations
Loaded contact	:	10,000 Operations

INSULATION

1. 2KV RMS, 50 Hz for 1 minute / 2.5 KV for 1s . Between all terminals and cases .

2. 1 KV RMS, 50 Hz for 1 minute across open contacts

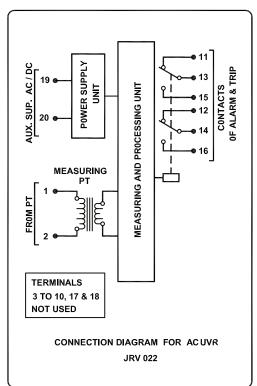
MECHANICAL DESIGN

Weight	:	Approx. 1500 gms
Case size	:	144sqmm with a depth of 117mm
Installation	:	Flush mounting
Panel cutout	:	138 X 138 mm

STANDARD COMPLIANCE

Accuracy Test	:	IEC 60255-151
Insulation Test	:	IEC 60255-27

TERMINAL DIAGRAM



ORDERING INFORMATION

Voltage rating Relay type Auxiliary supply : 110V / 230V / 415V AC
: JRV 022 (AC UVR)
: 20-60V DC
75-150V AC/DC
175-300 V DC / 185-250V AC