Three-phase Voltage Monitoring Relay

JVR/JVRW

Features
- Compact modular size
- Three-phase monitoring of phase sequence, phase loss, over- and undervoltage and phase unbalance
- Adjustable over- and undervoltage threshold (for JVRW)
- Powered by the measuring circuit
- 1 C/O contact
- 5 LEDs for status indication

Applications
- Pumps
- Fans
- Refrigeration Units
- Blowers
- Motors
- Compressors
- Lifts, Elevators
- Cranes
- Mining excavators and conveyors

Protective Functions
- Phase Loss (Failure)
- Phase Sequence (Reversal)
- Phase Unbalance (Asymmetry)
- Undervoltage
- Overvoltage

Order information

JVR 38 0 A

1. Basic Model

2. Rated Voltage Code
22-220VAC, 38-380VAC, 44-440VAC, 46-460VAC

3. Function Code

<table>
<thead>
<tr>
<th>Code</th>
<th>phase sequence</th>
<th>phase loss</th>
<th>phase unbalance</th>
<th>over voltage</th>
<th>under voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
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<tr>
<td>1</td>
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<tr>
<td>2</td>
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<td>3</td>
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<td>4</td>
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</tbody>
</table>

4. Voltage Threshold (enable for JVR-xx0, JVR-xx2, JVR-xx4)

<table>
<thead>
<tr>
<th>Type Suffix</th>
<th>Overvoltage</th>
<th>Undervoltage</th>
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</thead>
<tbody>
<tr>
<td>blank</td>
<td>+15%</td>
<td>-15%</td>
</tr>
<tr>
<td>A</td>
<td>+10%</td>
<td>-10%</td>
</tr>
<tr>
<td>B</td>
<td>+12.5%</td>
<td>-10%</td>
</tr>
<tr>
<td>C</td>
<td>+15%</td>
<td>-12.5%</td>
</tr>
<tr>
<td>W</td>
<td>+5% ~ +20%</td>
<td>-5% ~ -20%</td>
</tr>
<tr>
<td>T</td>
<td>customized</td>
<td>customized</td>
</tr>
</tbody>
</table>

Technical data

Model: JVR/JVRW
Input circuit = Measuring circuit: L1, L2, L3
Rated voltage: 220VAC, 380VAC, 440VAC, 460VAC, 50/60Hz
Monitoring functions: phase sequence, phase loss, overvoltage, undervoltage, phase unbalance
Delay time for overvoltage and undervoltage: 5-8s fixed
Delay time for phase loss, phase unbalance, phase sequence: 1-2s fixed
Reset time: 0.5s fixed
Indicators: phase sequence, phase loss, overvoltage, undervoltage, normal
Output contacts: 1 C/O
Contact capacity: 3A, 250VAC (resistive load)
Degree of protection: IP 20
Working conditions: -25~65°C, <85%RH, non-condensing
Mechanical durability: 1000000 cycles
Dielectric strength: >2kVAC 1min
Weight: 110g
Dimensions (H x W x D): 68X30X76mm
Mounting: DIN rail
GENERAL SAFETY
POTENTIALLY HAZARDOUS VOLTAGES ARE PRESENT AT THE TERMINALS OF THE RELAYS.
ALL ELECTRICAL POWER SHOULD BE REMOVED WHEN CONNECTING OR DISCONNECTING WIRING.
THIS DEVICE SHOULD BE INSTALLED AND SERVICED BY QUALIFIED PERSONNEL.

LOAD

L1 L2 L3

FUSE

L1 L2 L3

JVR

JVRW

KM

NC

LOAD

Relay contact position shown in "Power off" condition

Note: specifications are subject to change without notice.

If you have any questions, please contact us...

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