Three-phase Voltage Monitoring Relay JVR800-2

**Features**
- Compact modular 43mm housing
- Microprocessor technology provides highly accurate and repeatable protection
- Built-in LCD and keypad allow for precise digital setting
- Adjustable over- and under-voltage, phase unbalance threshold
- Independent adjustable delay time for overvoltage, undervoltage, voltage unbalance, phase loss and phase sequence
- Adjustable reset method automatic reset or manual reset
- 1 NO & 1 CO contacts
- Fault recording with last 3 faults
- with Timer and Counter

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

**Applications**
- Pumps
- Refrigeration Units
- Blowers
- Compressors
- Elevators
- Air conditioning and ventilation systems
- Electrical Safety

**Parameter Setting Method**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Setting range</th>
<th>Default</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overvoltage threshold</td>
<td>200-600V, OFF</td>
<td>437V</td>
</tr>
<tr>
<td>Undervoltage threshold</td>
<td>OFF, 150-500V</td>
<td>323V</td>
</tr>
<tr>
<td>Voltage unbalance x</td>
<td>1%-50%, OFF</td>
<td></td>
</tr>
<tr>
<td>Voltage unbalance hysteresis</td>
<td>1%-10%, OFF</td>
<td></td>
</tr>
<tr>
<td>Voltage unbalance delay</td>
<td>0.1-30s, OFF</td>
<td>0.5s</td>
</tr>
</tbody>
</table>

**Parameter Setting Method (Continued)**

- **Intelligent Protection**: Accurate and repeatable protection
- **Current and Voltage Monitoring**: Digital display of current and voltage
- **Overload and Short-Circuit Protection**: Automatic protective response
- **Time Delay and Counting**: Adjustable reset method

**Technical Data**

- **Rated supply voltage**: 200-480VAC
- **Operating Range**: 150-600VAC
- **Operating Frequency**: 50Hz/60Hz
- **Max unbalance capacity**: 99999
- **Max unbalance frequency**: 9999Hz
- **Total timing capacity**: 9999H59M
- **Display**: 3-digit 7-segment LED display
- **Mounting**: 35mm DIN rail

**Ordering Information**

<table>
<thead>
<tr>
<th>Model</th>
<th>Rated Voltage</th>
<th>Operating Range</th>
</tr>
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<tr>
<td>JVR800-2</td>
<td>200-480VAC</td>
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**Wiring Diagram**

- **Relay contact position shown in ‘Power on’ (Healthy) condition**

**Fault History Check**

- **Pressing “Test” or “History” keys 3 times, the display shows the latest fault and 4 digits, and the fault voltage, Press “Test” or “History” keys 4 times, the display shows the 4-digit fault code.**

**Notes**

- Specifications are subject to change without notice.